

STATE OF MICHIGAN  
 DEPARTMENT OF MANAGEMENT AND BUDGET  
 PURCHASING OPERATIONS  
 P.O. BOX 30026, LANSING, MI 48909  
 OR  
 530 W. ALLEGAN, LANSING, MI 48933

April 15, 2009

**CHANGE NOTICE NO. 5 (REVISED\*\*\*)**  
**TO**  
**CONTRACT NO. 071B5200211**  
**between**  
**THE STATE OF MICHIGAN**  
**and**

NAME & ADDRESS OF VENDOR  <b>Remel Inc.</b> <b>12076 Santa Fe Drive</b> <b>Lenexa, KS 66215</b>  Email: christopher.earp@thermofisher.com	TELEPHONE: Lisa McFarland <b>(800) 255-6730 Ext. 4970</b>
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 241-1647 <b>Irene Pena</b>
Contract Compliance Inspector: Shirley Martin (517) 241-2305 <b>Laboratory Supplies/Test Kits – Department of Community Health</b>	
CONTRACT PERIOD: From: <b>February 1, 2005</b> To: <b>December 31, 2009</b>	
TERMS <p style="text-align: center;"><b>N/A</b></p>	SHIPMENT <p style="text-align: center;"><b>N/A</b></p>
F.O.B. <p style="text-align: center;"><b>N/A</b></p>	SHIPPED FROM <p style="text-align: center;"><b>N/A</b></p>
MINIMUM DELIVERY REQUIREMENTS <p style="text-align: center;"><b>N/A</b></p>	

**NATURE OF CHANGE (S):**

**Effective immediately this Contract is hereby INCREASED \$95,000.00 and EXTENDED through December 31, 2009**

**All other terms, conditions, specifications and pricing remain unchanged.**

**\*\*\*Please Note: The attached list of items are hereby added to this Contract.**

**AUTHORITY/REASON:**

**DMB Purchasing Operations and Administrative Board approval  
 on December 2, 2008**

**TOTAL REVISED ESTIMATED CONTRACT VALUE: \$329,063.09**

Product to be added to existing Contract 071B5200211

<u>Annual Usage</u>	<u>Product Description</u>	<u>Product #</u>	<u>Quote \$</u>	<u>1-Year total</u>
1 each	Horse Blood defibrinated, 25 ml	453551	38.53	38.53
12 packs	Bile Esculin Agar, 20/pk	R060294	9.80	117.60
3 packs	Nitrocefin Disk	R211667	44.04	132.12
2 packs	ONPG disk	DD0013T	28.34	56.48
6 kits	RapID ANAH	R8311002	135.81	814.86
6 packs	RapID Inoculating Fluid	R8325102	16.56	99.36
2 Vials	RapID Spot Indole	R8309002	7.98	15.96
8 kits	Lysostaphin Test Kit	R21130	53.21	425.68
2 kits	Streptex test kit	R30950501	326.87	653.74
3 kits	PYR Disk & Reagent	R30854401	154.93	464.79
3 packs	V Factor disk	DD0004I	11.31	33.93
3 packs	X Factor disk	DD0003I	11.36	34.08
4 packs	X+V Factor disk	DD0005I	11.31	45.24
10 packs	BHI Aga R with Vanc	R01176	23.91	239.10
6 packs	C.Difficile Agar	R01310	32.30	193.80
8 packs	Pras Chopped meat broth	R05035	69.40	555.20
2 packs	Bactidrop Ninhydrin	R21534	70.32	140.64
2 packs	Bactidrop Desoxycholate	R21508	70.05	140.10
2 each	Potassium Hydroxide 3%	R21251	18.99	37.98
2 sets	McFarland Stds	R20421	107.16	214.32
8 packs	Anaerobic Indicator	R683001	16.37	130.96

12 packs	Media, Tubed Tetrathionate Broth #07162	32.24	386.88
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**Price quote from Remel, Inc, Quote #58285**

**Per above products and quoted price:**

**1 year total: \$4,971.35**

STATE OF MICHIGAN  
 DEPARTMENT OF MANAGEMENT AND BUDGET  
 PURCHASING OPERATIONS  
 P.O. BOX 30026, LANSING, MI 48909  
 OR  
 530 W. ALLEGAN, LANSING, MI 48933

December 10, 2008

**CHANGE NOTICE NO. 5**  
**TO**  
**CONTRACT NO. 071B5200211**  
**between**  
**THE STATE OF MICHIGAN**  
**and**

NAME & ADDRESS OF VENDOR  <b>Remel Inc.</b> <b>12076 Santa Fe Drive</b> <b>Lenexa, KS 66215</b>  Email: christopher.earp@thermofisher.com	TELEPHONE: Lisa McFarland <b>(800) 255-6730 Ext. 4970</b>
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 241-1647 <b>Irene Pena</b>
Contract Compliance Inspector: Shirley Martin (517) 241-2305 <b>Laboratory Supplies/Test Kits – Department of Community Health</b>	
CONTRACT PERIOD: From: <b>February 1, 2005</b> To: <b>December 31, 2009</b>	
TERMS <p style="text-align: center;"><b>N/A</b></p>	SHIPMENT <p style="text-align: center;"><b>N/A</b></p>
F.O.B. <p style="text-align: center;"><b>N/A</b></p>	SHIPPED FROM <p style="text-align: center;"><b>N/A</b></p>
MINIMUM DELIVERY REQUIREMENTS <p style="text-align: center;"><b>N/A</b></p>	

**NATURE OF CHANGE (S):**

**Effective immediately this Contract is hereby INCREASED \$95,000.00 and EXTENDED through December 31, 2009**

**All other terms, conditions, specifications and pricing remain unchanged.**

**AUTHORITY/REASON:**

**DMB Purchasing Operations and Administrative Board approval  
 on December 2, 2008**

**TOTAL REVISED ESTIMATED CONTRACT VALUE: \$329,063.09**

STATE OF MICHIGAN  
 DEPARTMENT OF MANAGEMENT AND BUDGET  
 PURCHASING OPERATIONS  
 P.O. BOX 30026, LANSING, MI 48909  
 OR  
 530 W. ALLEGAN, LANSING, MI 48933

April 14, 2008

**CHANGE NOTICE NO. 4 (REVISED)**  
**TO**  
**CONTRACT NO. 071B5200211**  
**between**  
**THE STATE OF MICHIGAN**  
**and**

NAME & ADDRESS OF VENDOR  <b>Remel Inc.</b> <b>12076 Santa Fe Drive</b> <b>Lenexa, KS 66215</b>  Email: christopher.earp@thermofisher.com	TELEPHONE: Lisa McFarland <b>(800) 255-6730 Ext. 4970</b>
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 241-1647 <b>Irene Pena</b>
Contract Compliance Inspector: Shirley Martin (517) 241-2305 <b>Laboratory Supplies/Test Kits – Department of Community Health</b>	
CONTRACT PERIOD: From: <b>February 1, 2005</b> To: <b>December 31, 2008</b>	
TERMS <p style="text-align: center;"><b>N/A</b></p>	SHIPMENT <p style="text-align: center;"><b>N/A</b></p>
F.O.B. <p style="text-align: center;"><b>N/A</b></p>	SHIPPED FROM <p style="text-align: center;"><b>N/A</b></p>
MINIMUM DELIVERY REQUIREMENTS <p style="text-align: center;"><b>N/A</b></p>	

**NATURE OF CHANGE (S):**

**Effective immediately this Contract is hereby INCREASED \$33,940.24 and the attached listing of items is hereby incorporated into this Contract.**

**All other terms, conditions, specifications and pricing remain unchanged.**

**Please Note: The buyer has been changed to Irene Pena.**

**AUTHORITY/REASON:**

**DMB Purchasing Operations**

**TOTAL REVISED ESTIMATED CONTRACT VALUE: \$234,063.09**

**Product to be added to existing Contract 071B5200211**

<u>Annual Usage</u>	<u>Product Description</u>	<u>Product #</u>	<u>Quote \$</u>	<u>1-Year total</u>
4 packs	MRVP broth, 2ml, 20/pk	06-1432	51.72	206.88
4 packs	CGC probe swab, QC, 5/pk	48-5102	55.28	221.12
2 packs	Egg Yolk agar plate, 10/pk (McClung-Toabe)	01-056	40.12	80.24
12 kits	PathoDx Chlamydia Culture Confirmation kit, 100/kit	62.210	139.06	1,668.72
2 each	Indole (Kovacs) reagent, 25ml	21-227	13.24	26.48
153 packs	Regan-Lowe Transport, 20/pk	R06-4141	76.26	11,667.78
35 cases	M4 RT, 72/case	R12-505	88.54	3,098.90

**Price quote from Remel, Inc, Quote #50338**

**Per above products and quoted price:**

**1 year total: \$16,970.12**

**x2 year balance of contract life: \$33,940.24**

**STATE OF MICHIGAN  
 DEPARTMENT OF MANAGEMENT AND BUDGET  
 PURCHASING OPERATIONS  
 P.O. BOX 30026, LANSING, MI 48909  
 OR  
 530 W. ALLEGAN, LANSING, MI 48933**

March 3, 2008

**CHANGE NOTICE NO. 4  
 TO  
 CONTRACT NO. 071B5200211  
 between  
 THE STATE OF MICHIGAN  
 and**

NAME & ADDRESS OF VENDOR  <b>Remel Inc.          12076 Santa Fe Drive          Lenexa, KS 66215</b>  Email: christopher.earp@thermofisher.com	TELEPHONE: Lisa McFarland <b>(800) 255-6730 Ext. 4970</b>
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 241-1647 <b>Irene Pena</b>
Contract Compliance Inspector: Shirley Martin (517) 241-2305 <b>Laboratory Supplies/Test Kits – Department of Community Health</b>	
CONTRACT PERIOD: From: <b>February 1, 2005</b> To: <b>December 31, 2008</b>	
TERMS <p style="text-align: center;"><b>N/A</b></p>	SHIPMENT <p style="text-align: center;"><b>N/A</b></p>
F.O.B. <p style="text-align: center;"><b>N/A</b></p>	SHIPPED FROM <p style="text-align: center;"><b>N/A</b></p>
MINIMUM DELIVERY REQUIREMENTS <p style="text-align: center;"><b>N/A</b></p>	

**NATURE OF CHANGE (S):**

**Effective immediately this Contract is hereby INCREASED \$33,940.24.**

**All other terms, conditions, specifications and pricing remain unchanged.**

**Please Note: The buyer has been changed to Irene Pena.**

**AUTHORITY/REASON:**

**DMB Purchasing Operations**

**TOTAL REVISED ESTIMATED CONTRACT VALUE: \$234,063.09**

STATE OF MICHIGAN  
DEPARTMENT OF MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS  
P.O. BOX 30026, LANSING, MI 48909  
OR  
530 W. ALLEGAN, LANSING, MI 48933

November 27, 2007

**CHANGE NOTICE NO. 3**  
**TO**  
**CONTRACT NO. 071B5200211**  
**between**  
**THE STATE OF MICHIGAN**  
**and**

NAME & ADDRESS OF VENDOR  <b>Remel Inc.</b> <b>12076 Santa Fe Drive</b> <b>Lenexa, KS 66215</b>  Email: christopher.earp@thermofisher.com	TELEPHONE: Lisa McFarland <b>(800) 255-6730 Ext. 4970</b>
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 241-2005 <b>Lisa Morrison, Buyer</b>
Contract Compliance Inspector: Shirley Martin (517) 241-2305 <b>Laboratory Supplies/Test Kits – Department of Community Health</b>	
CONTRACT PERIOD: From: <b>February 1, 2005</b> To: <b>December 31, 2008</b>	
TERMS <b>N/A</b>	SHIPMENT <b>N/A</b>
F.O.B. <b>N/A</b>	SHIPPED FROM <b>N/A</b>
MINIMUM DELIVERY REQUIREMENTS <b>N/A</b>	

**NATURE OF CHANGE (S):**

**Effective immediately, this Contract is hereby EXTENDED until December 31, 2008 and INCREASED by \$20,000.00.**

**All other terms, conditions, specifications and pricing remain unchanged.**

**Please Note: The buyer has been changed to Lisa Morrison.**

**AUTHORITY/REASON:**

**DMB Purchasing Operations and Administrative Board approval dated November 27, 2007.**

**TOTAL REVISED ESTIMATED CONTRACT VALUE: \$200,122.85**

STATE OF MICHIGAN  
DEPARTMENT OF MANAGEMENT AND BUDGET  
ACQUISITION SERVICES  
P.O. BOX 30026, LANSING, MI 48909  
OR  
530 W. ALLEGAN, LANSING, MI 48933

June 16, 2005

CHANGE NOTICE NO. 2  
TO  
CONTRACT NO. 071B5200211  
between  
THE STATE OF MICHIGAN  
and

NAME & ADDRESS OF VENDOR  <b>Remel Inc. 12076 Santa Fe Drive Lenexa, KS 66215</b>	TELEPHONE: Lisa McFarland <b>(800) 255-6730 Ext. 4970</b>
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 373-1455 <b>Laura Gyorkos, CPPB</b>
Contract Compliance Inspector: Shirley Martin (517) 241-2305 <b>Laboratory Supplies/Test Kits – Department of Community Health</b>	
CONTRACT PERIOD: From: <b>February 1, 2005</b> To: <b>December 31, 2007</b>	
TERMS <b>N/A</b>	SHIPMENT <b>N/A</b>
F.O.B. <b>N/A</b>	SHIPPED FROM <b>N/A</b>
MINIMUM DELIVERY REQUIREMENTS <b>N/A</b>	

**NATURE OF CHANGE (S):**

Effective immediately the vendor phone number has been changed to:  
**Lisa McFarland  
1-800-255-6730 extension 4970**

**All other terms, conditions, specifications and pricing remain unchanged.**

**AUTHORITY/REASON:**

**DMB/Acquisition Services**

**TOTAL ESTIMATED CONTRACT VALUE REMAINS: \$180,122.85**

STATE OF MICHIGAN  
DEPARTMENT OF MANAGEMENT AND BUDGET  
ACQUISITION SERVICES  
P.O. BOX 30026, LANSING, MI 48909  
OR  
530 W. ALLEGAN, LANSING, MI 48933

May 2, 2005

CHANGE NOTICE NO. 1  
TO  
CONTRACT NO. 071B5200211  
between  
THE STATE OF MICHIGAN  
and

NAME & ADDRESS OF VENDOR  <b>Remel Inc. 12076 Santa Fe Drive Lenexa, KS 66215</b>	TELEPHONE: Lisa McFarland <b>(800) 255-6730 Ext. 4903</b>
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 373-1455 <b>Laura Gyorkos, CPPB</b>
Contract Compliance Inspector: Shirley Martin (517) 241-2305 <b>Laboratory Supplies/Test Kits – Department of Community Health</b>	
CONTRACT PERIOD: From: <b>February 1, 2005</b> To: <b>December 31, 2007</b>	
TERMS <b>N/A</b>	SHIPMENT <b>N/A</b>
F.O.B. <b>N/A</b>	SHIPPED FROM <b>N/A</b>
MINIMUM DELIVERY REQUIREMENTS <b>N/A</b>	

**NATURE OF CHANGE (S):**

Effective May 2, 2005, items #78, 79 and 80 are ADDED to this contract. All other specifications, terms and conditions remain the same. See REVISED Item Listing #78-80, attached.

**AUTHORITY/REASON:**

**DMB/Acquisition Services**

**Total Estimated Contract Value Remains: \$180,122.85**

**PRICING SHEET**  
**MDPH – Laboratory Supplies/Test Kits**

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
1	495-38-10-1100	Media, Plated, Bordet Gengou Blood Agar  Brand: <b>REMEL INC.</b>  Product/Order #: <b>01240</b>  # Pkg: <b>PK OF 10</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Pkg	36	<b>\$ 11.80</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	<b>\$1,274.40</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
2	495-38-10-1105	Media, Plated, Bordet Gengou Blood Agar w/Methicillin  Brand: <b>REMEL INC.</b>  Product/Order #: <b>01242</b>  # Pkg: <b>PK OF 10</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Pkg	36	<b>\$10.50</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	<b>\$1,134.00</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
3	115-19	BHI Supplemented Agar Plates  Brand: <b>REMEL INC.</b>  Product/Order #: <b>01158</b>  # Pkg: <b>PK OF 10</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Pkg	72	<b>\$10.90</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	<b>\$2,354.40</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
4	495-38-10-1110	Media, Plated, Buffered Charcoal Yeast Extract Agar w/PAC  Brand: <b>REMEL INC.</b>  Product/Order #: <b>01339</b>  # Pkg: <b>PK OF 10</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Pkg	27	<b>\$9.15</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	<b>\$741.15</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
5	495-38-10-1032	Media, Plated, Campylobacter Blood Agar w/5 Antimicrobics	Pkg	192	<b>\$4.06</b> Per/Pkg	<b>\$2,338.56</b> Per/Pkg

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		Brand: <b>REMEL INC.</b> Product/Order #: <b>01280</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____			\$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Pr/Bx/Ctn \$ _____ Per/Case
6	495-38-10-1120	Media, Plated, Chocolate Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01302</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	80	<b>\$19.80</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$4,752.00</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
7	115-19-49	Media, Plated, Columbia Blood Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01215</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	30	<b>\$2.70</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$243.00</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
8	115-19-50-1305	Media, Plated, Columbia CNA w/5% Sheep Blood Brand: <b>REMEL INC.</b> Product/Order #: <b>01320</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	40	<b>\$2.29</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$274.80</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
9	115-19-49-3651	Media, Plated, GC Susceptibility Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>04030</b> # Pkg: <b>PK OF 10</b>	Pkg	130	<b>\$6.45</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$2,515.50</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		# Pkg/Box/Ctn: _____ # Pkg/Case: _____				
10	115-19-50-3756	Media, Plated, Hektoen Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01480</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	140	<b>\$3.74</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$1,570.80</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
11	115-19-49-4428	Media, Plated, MacConkey Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01552</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	40	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$19.80</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$2,376.00</b> Per/Case
12	115-19-49-4501	Media, Plated, MacConkey Agar with Sorbitol Brand: <b>REMEL INC.</b> Product/Order #: <b>SEE BELOW</b> # Pkg: <b>01556 PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: <b>01561 CS OF 100</b>	Pkg	140	<b>\$4.68</b> Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$46.80</b> Per/Case	<b>\$1,965.60</b> Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$19,656.00</b> Per/Case
13	115-19-49-4840	Media, Plated, Mueller Hinton Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>04050</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	52	<b>\$5.41</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$843.96</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
14	115-19-49-5102	Media, Plated, Nocardia Quad Medium	Pkgs	25	<b>\$37.40</b> Per/Pkg	<b>\$2,805.00</b> Per/Pkg

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		Brand: <b>REMEL INC.</b> Product/Order #: <b>02462</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____			\$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Pr/Bx/Ctn \$ _____ Per/Case
15	115-19-49-8411	Media, Plated, Trypticase Soy Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01917</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	50	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$19.80</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$2,970.00</b> Per/Case
16	115-19-49-8429	Media, Plated, Trypticase Soy Agar w/5% sheep blood Brand: <b>REMEL INC.</b> Product/Order #: <b>01202</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	180	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$19.80</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$10,692.00</b> Per/Case
17	115-19-49-9807	Media, Plated, Yersinia Agar, 10/pkg Brand: <b>REMEL INC.</b> Product/Order #: <b>01998</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkgs	32	<b>\$8.11</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$778.56</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
18	495-38-10-1004	Media, Tubed, Slants, Acetate Differential Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>060022</b> # Pkg: _____	Pkg	40	\$ _____ Per/Pkg <b>\$16.22</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$1,946.40</b> Pr/Bx/Ctn \$ _____ Per/Case

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		# Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____				
19	115-19-49-0756	Slants, Bile Esculin Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>060294</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	8	\$ _____ Per/Pkg <b>\$9.80</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$235.20</b> Pr/Bx/Ctn \$ _____ Per/Case
20	119-19-49-1002	Media, Tubed, Slants, Cetrimide Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>060472</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	16	\$ _____ Per/Pkg <b>\$13.94</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$669.12</b> Pr/Bx/Ctn \$ _____ Per/Case
21	119-19-49-1275	Media, Tubed, Slants, Chocolate Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>08240</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	50	\$ _____ Per/Pkg <b>\$10.60</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$1,590.00</b> Pr/Bx/Ctn \$ _____ Per/Case
22	115-19-49-2455	Media, Tubed, Slants, Esculin Hydrolysis Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>060876</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	8	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$38.00</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$912.00</b> Per/Case

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
23	115-19-49-3552	Media, Tubed, Slants, Heart Infusion Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>061010</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	12	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$119.00</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$4,284.00</b> Per/Case
24	495-28-10-1025	Media, Tubed, Slants, Loeffler Blood Serum Brand: <b>REMEL INC.</b> Product/Order #: <b>061288</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	8	\$ _____ Per/Pkg <b>\$16.22</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$389.28</b> Pr/Bx/Ctn \$ _____ Per/Case
25	495-38-10-1025	Media, Tubed, Slants, Lowenstein Jenson Brand: <b>REMEL INC.</b> Product/Order #: <b>08500</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	180	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$58.00</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$31,320.00</b> Per/Case
26	115-19-49-4220	Media, Tubed, Slants, Lowenstein Jenson, Iron Uptake Brand: <b>REMEL INC.</b> Product/Order #: <b>08526</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	24	\$ _____ Per/Pkg <b>\$13.32</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$959.04</b> Pr/Bx/Ctn \$ _____ Per/Case
27	495-38-10-2002	Media, Tubed, Slants, Lowenstein Jenson w/Sodium Chloride Brand: <b>REMEL INC.</b>	Pkg	120	\$ _____ Per/Pkg <b>\$13.60</b> Pr/Bx/Ctn	\$ _____ Per/Pkg <b>\$4,896.00</b> Pr/Bx/Ctn

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		Product/Order #: <b>08518</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____			\$ _____ Per/Case	\$ _____ Per/Case
28	115-19-49-4709	Media, Tubed, Slants, Mitchison Selective 7H11  Brand: <b>REMEL INC.</b>  Product/Order #: <b>08574</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Pkg	110	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$84.20</b> Per/Case	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$27,786.00</b> Per/Case
29	115-19-49-5151	Media, Tubed, Slants, Nutrient Agar  Brand: <b>REMEL INC.</b>  Product/Order #: <b>061572</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	4	\$ _____ Per/Pkg  <b>\$9.78</b> Pr/Bx/Ctn  \$ _____ Per/Case	\$ _____ Per/Pkg  <b>\$117.36</b> Pr/Bx/Ctn  \$ _____ Per/Case
30	115-19-49-7090	Media, Tubed, Slants, Phenylalanine Agar  Brand: <b>REMEL INC.</b>  Product/Order #: <b>062182</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	20	\$ _____ Per/Pkg  <b>\$9.78</b> Pr/Bx/Ctn  \$ _____ Per/Case	\$ _____ Per/Pkg  <b>\$586.80</b> Pr/Bx/Ctn  \$ _____ Per/Case
31	115-19-49-7207	Media, Tubed, Slants, Plate Count Agar  Brand: <b>REMEL INC.</b>  Product/Order #: <b>062600</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	20	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$48.90</b> Per/Case	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$2,934.00</b> Per/Case

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
32	115-19-49-7181	Media, Tubed, Slants, Pseudomonas F Agar  Brand: <b>REMEL INC.</b>  Product/Order #: <b>062632</b>  # Pkg: _____  # Pkg/Box/Ctn: <b>PK OF 20</b>  # Pkg/Case: _____	Pkgs	15	\$ _____ Per/Pkg  <b>\$11.86</b> Pr/Bx/Ctn  \$ _____ Per/Case	\$ _____ Per/Pkg  <b>\$533.70</b> Pr/Bx/Ctn  \$ _____ Per/Case
33	115-19-49-1157	Media, Tubed, Slants, Pseudomonas P Agar  Brand: <b>REMEL INC.</b>  Product/Order #: <b>062638</b>  # Pkg: _____  # Pkg/Box/Ctn: <b>PK OF 20</b>  # Pkg/Case: _____	Pkg	15	\$ _____ Per/Pkg  <b>\$41.40</b> Pr/Bx/Ctn  \$ _____ Per/Case	\$ _____ Per/Pkg  <b>\$1,863.00</b> Pr/Bx/Ctn  \$ _____ Per/Case
34	115-19-49-7603	Media, Tubed, Slants, Potassium Nitrate Assimilation Agar  Brand: <b>REMEL INC.</b>  Product/Order #: <b>07774</b>  # Pkg: _____  # Pkg/Box/Ctn: <b>PK OF 20</b>  # Pkg/Case: _____	Box	6	\$ _____ Per/Pkg  <b>\$18.30</b> Pr/Bx/Ctn  \$ _____ Per/Case	\$ _____ Per/Pkg  <b>\$329.40</b> Pr/Bx/Ctn  \$ _____ Per/Case
35	115-19	Media, Tubed, Slants, Simmons Citrate Agar  Brand: <b>REMEL INC.</b>  Product/Order #: <b>060494</b>  # Pkg: _____  # Pkg/Box/Ctn: _____  # Pkg/Case: <b>CS OF 100</b>	Case	12	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$48.90</b> Per/Case	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$1,760.40</b> Per/Case
36	115-19-49-9450	Media, Tubed, Slants, Urea Agar  Brand: <b>REMEL INC.</b>	Case	36	\$ _____ Per/Pkg  \$ _____	\$ _____ Per/Pkg  \$ _____

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		Product/Order #: <b>065210</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>			Pr/Bx/Ctn <b>\$54.10</b> Per/Case	Pr/Bx/Ctn <b>\$5,842.80</b> Per/Case
37	115-19	Middlebrook 7H9, w/tween 80 Brand: <b>REMEL INC.</b> Product/Order #: <b>09556</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	50	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$99.80</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$14,970.00</b> Per/Case
38	115-19-49-3693	Media, Tubed, Broth, GN Brand: <b>REMEL INC.</b> Product/Order #: <b>08382</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	18	\$ _____ Per/Pkg <b>\$10.60</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$572.40</b> Pr/Bx/Ctn \$ _____ Per/Case
39	115-19-49-3560	Media, Tubed, Broth, Heart Infusion Broth Brand: <b>REMEL INC.</b> Product/Order #: <b>061030</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Pkg	16	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$119.00</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$5,712.00</b> Per/Case
40	115-19-49-4659	Media, Tubed, Broth, Middlebrook Enrichment – ADC Brand: <b>REMEL INC.</b> Product/Order #: <b>450592</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____	Box	20	<b>\$91.50</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$5,490.00</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		# Pkg/Case: _____				
41	115-19-49-5003	Media, Tubed, Broth, Nitrite Broth Brand: <b>REMEL INC.</b> Product/Order #: <b>061552</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	24	\$ _____ Per/Pkg <b>\$16.22</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$1,167.84</b> Pr/Bx/Ctn \$ _____ Per/Case
42	115-19-49-5029	Media, Tubed, Broth, Nitrate Broth Brand: <b>REMEL INC.</b> Product/Order #: <b>061536</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	48	\$ _____ Per/Pkg <b>\$11.86</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$1,707.84</b> Pr/Bx/Ctn \$ _____ Per/Case
42	495-38-10-1030	Media, Tubed, Deeps, Lowenstein Jensen Brand: <b>REMEL INC.</b> Product/Order #: <b>09512</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	120	\$ _____ Per/Pkg <b>\$14.40</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$5,184.00</b> Pr/Bx/Ctn \$ _____ Per/Case
43	495-38-10	Media, Tubed, Broth, Pyruvate Broth Brand: <b>REMEL INC.</b> Product/Order #: <b>063042</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	8	\$ _____ Per/Pkg <b>\$16.22</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$389.28</b> Pr/Bx/Ctn \$ _____ Per/Case

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
44	115-19-49-7884	Media, Tubed, Broth, Tetrathionate Brand: <b>REMEL INC.</b> Product/Order #: <b>07160</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	8	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$161.20</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$3,868.80</b> Per/Case
45	115-19	Reagent, Bottle, Iodine for Tetrathionate Hazardous Material, \$20.00 charge per shipment. Brand: <b>REMEL INC.</b> Product/Order #: <b>114350</b> # Pkg: <b>100ml BTL</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Bottle	4	<b>\$34.05</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$408.60</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
46	115-19	Media, Tubed, Slants, Blood Agar, TSA w/5% sheep blood Brand: <b>REMEL INC.</b> Product/Order #: <b>060312</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	24	\$ _____ Per/Pkg <b>\$12.90</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$928.80</b> Pr/Bx/Ctn \$ _____ Per/Case
47	115-19	Agar, Anaerobe blood Brand: <b>REMEL INC.</b> Product/Order #: <b>01040</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	18	<b>\$4.16</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$224.64</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
48	115-19	Agar, Anaerobe blood w/PEA (CDC Formula) Brand: <b>REMEL INC.</b> Product/Order #: <b>01048</b>	Pkg	12	<b>\$4.16</b> Per/Pkg \$ _____ Pr/Bx/Ctn	<b>\$149.76</b> Per/Pkg \$ _____ Pr/Bx/Ctn

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		# Pkg: <b><u>PK OF 10</u></b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____			\$ _____ Per/Case	\$ _____ Per/Case
49	115-19	Agar, Anaerobe blood w/KV (CDC Formula) Brand: <b><u>REMEL INC.</u></b> Product/Order #: <b><u>01042</u></b> # Pkg: <b><u>PK OF 10</u></b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	12	<b><u>\$4.16</u></b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b><u>\$149.76</u></b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
50	115-19	Agar, Trypticase Soy w/5% sheep blood Brand: <b><u>REMEL INC.</u></b> Product/Order #: <b><u>01201</u></b> # Pkg: <b><u>PK OF 15</u></b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	225	<b><u>\$2.97</u></b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b><u>\$2,004.75</u></b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
51	115-19-49-4436	Plates, MacConkey agar Brand: <b><u>REMEL INC.</u></b> Product/Order #: <b><u>01550</u></b> # Pkg: <b><u>PK OF 10</u></b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	60	<b><u>\$1.98</u></b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b><u>\$356.40</u></b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
52	115-19-49-1317	Slants, Chocolate Agar Brand: <b><u>REMEL INC.</u></b> Product/Order #: <b><u>060482</u></b> # Pkg: _____ # Pkg/Box/Ctn: <b><u>PK OF 20</u></b> # Pkg/Case: _____	Pkg	2	\$ _____ Per/Pkg <b><u>\$10.60</u></b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b><u>\$63.60</u></b> Pr/Bx/Ctn \$ _____ Per/Case

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
53	115-19-49-1325	Plates, Chocolate Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01300</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	60	<b>\$1.98</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$356.40</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
54	115-19-49-0764	Slants, Bile Esculin Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>SEE BELOW</b> # Pkg: _____ # Pkg/Box/Ctn: <b>060294 PK OF 20</b> # Pkg/Case: <b>060292 CS OF 100</b>	Pkg	4	\$ _____ Per/Pkg <b>\$9.80</b> Pr/Bx/Ctn <b>\$49.00</b> Per/Case	\$ _____ Per/Pkg <b>\$117.60</b> Pr/Bx/Ctn <b>\$588.00</b> Per/Case
56	115-19-49-2463	Slants, Esculin Hydrolysis Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>060878</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b>	Pkg	3	\$ _____ Per/Pkg <b>\$10.82</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$97.38</b> Pr/Bx/Ctn \$ _____ Per/Case
57	115-19	Slants, Nutrient Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>061570</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	8	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$48.90</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$1,173.60</b> Per/Case
58	115-19	Slants, Urea Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>065212</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	15	\$ _____ Per/Pkg <b>\$10.82</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$486.90</b> Pr/Bx/Ctn \$ _____ Per/Case

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
59	115-19	Disks, Bacitracin Differentiation, 50 x5 Brand: <b>REMEL INC.</b> Product/Order #: <b>34759</b> # Pkg: <b>PK OF 5 x 50</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	2	<b>\$34.13</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$204.78</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
60	115-19	Agar, Mueller Hinton w/blood Brand: <b>REMEL INC.</b> Product/Order #: <b>01622</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	3	<b>\$4.26</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$38.34</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
61	115-19-49-7892	Tubes, Tetrathionate Broth Brand: <b>REMEL INC.</b> Product/Order #: <b>07162</b> # Pkg: _____ # Pkg/Box/Ctn: <b>07162</b> # Pkg/Case: _____	Pkg	5	\$ _____ Per/Pkg <b>\$32.24</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$483.60</b> Pr/Bx/Ctn \$ _____ Per/Case
62	115-19	Solution, Iodine, for tetrathionate Broth, 4.5 l/bottle Hazardous Material, \$20.00 charge per shipment. Brand: <b>REMEL INC.</b> Product/Order #: <b>21228</b> # Pkg: <b>4.5 ml BTL</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Bottle	4	<b>\$9.83</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$117.96</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
63	115-19	Campy micro-aerophilic generators-waterless Brand: <b>mitsubishi</b>	Pkg	4	<b>\$40.90</b> Per/Pkg \$ _____ Pr/Bx/Ctn	<b>\$490.80</b> Per/Pkg \$ _____ Pr/Bx/Ctn

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		Product/Order #: <b>681005</b> # Pkg: <b>PK OF 20</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____			\$ _____ Per/Case	\$ _____ Per/Case
64	115-19	Reagent Bactidrop xidase, 0.75/ampule Brand: <b>REMEL INC.</b> Product/Order #: <b>21540</b> # Pkg: <b>PK OF 50</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	2	<b>\$54.32</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$325.92</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
65	115-19	Test Kit, BactiStaph Latex Hazardous Material, \$20.00 charge per shipment. Brand: <b>REMEL INC.</b> Product/Order #: <b>21144</b> # Pkg: <b>KIT OF 150</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Kit	2	<b>\$103.25</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$619.50</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
66	115-19	Media, E-Test, Oxacillin Brand: <b>NO BID</b> Product/Order #: _____ # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	3	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
67	115-19	Media, E-Test, Vancomycin Brand: <b>NO BID</b> Product/Order #: _____ # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	3	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
68	115-19	Test, Disks, Hippurate Differentiation Brand: <b>REMEL INC.</b> Product/Order #: <b>21085</b> # Pkg: <b>VL OF 25</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Vial	2	<b>\$41.43</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$248.58</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
69	115-19	Test, Disks, LAP Differentiation Brand: <b>REMEL INC.</b> Product/Order #: <b>30168501</b> # Pkg: <b>KIT OF 50</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Vial	2	<b>\$46.73</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$280.38</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
70	115-19	Test, Disks, PYR/Esulin Brand: <b>REMEL INC.</b> Product/Order #: <b>30854301</b> # Pkg: <b>KIT OF 50</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Vial	2	<b>\$43.00</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$258.00</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
71	115-19	Reagent, Methyl Red 25 ml Brand: <b>REMEL INC.</b> Product/Order #: <b>21236</b> # Pkg: <b>25ml BTL</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Each	2	<b>\$17.76</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$106.56</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
72	115-19	Reagent, Ninhydrin, 25ml Hazardous Material, \$20.00 charge per shipment. Brand: <b>REMEL INC.</b> Product/Order #: <b>21238</b> # Pkg: <b>25ml BTL</b>	Each	3	<b>\$25.15</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$226.35</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		# Pkg/Box/Ctn: _____ # Pkg/Case: _____				
73	115-19	Test Kit, PathoDx Strep Grouping  Brand: <b>REMEL INC.</b>  Product/Order #: <b>62076</b>  # Pkg: <b>KIT OF 60</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Kit	2	<b>\$82.76</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	<b>\$496.56</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
74	115-19	Reagent, PYR, 25ml Hazardous Material, \$20.00 charge per shipment. Brand: <b>REMEL INC.</b>  Product/Order #: <b>21258</b>  # Pkg: <b>25ml BTL</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Each	6	<b>\$24.38</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	<b>\$438.84</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
75	115-19	Test, Coagulase Plasma, Rabbit, Lyophilized, 6x15ml  Brand: <b>REMEL INC.</b>  Product/Order #: <b>21060</b>  # Pkg: <b>PK OF 6 x 5ml</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Each	1	<b>\$48.39</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	<b>\$145.17</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
76	115-19	Test Kit, Ecoli 0157 Latex  Brand: <b>REMEL INC.</b>  Product/Order #: <b>24250</b>  # Pkg: <b>KIT OF 50</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Kit	2	<b>\$104.79</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	<b>\$628.74</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
77	115-19	Test Kit, Anaerobic Gas Generating  Brand: <b>MITSUBISHI</b>	Pkg	2	<b>\$40.90</b> Per/Pkg  \$ _____	<b>\$245.40</b> Per/Pkg  \$ _____

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		Product/Order #: <b>681007</b> # Pkg: <b>PK OF 20</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____			Pr/Bx/Ctn \$ _____ Per/Case	Pr/Bx/Ctn \$ _____ Per/Case

78	115-19	Media, Slants, Citrate Simmons Agar Brand: Remel Product/Order #060496 # Pkg: <b>PK OF 20</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	9	\$9.78 Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$88.02 Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
79		Test Kit, PathoDx Strep Grouping Brand: Remel Product/Order #62025 # Pkg: <b>60 tests/kit</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____			\$234.10 Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$1,404.60 Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
80	115-19	Test Kit, Anaerobic Gas Generating Brand: Mitsubishi Product/Order #681001 # Pkg: <b>PK OF 20</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____			\$48.67 Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$292.02 Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
	115-19				\$ _____ Per/Case	\$ _____ Per/Case

### MINIMUM ORDER

If the bidder requires a minimum order, indicate that minimum below:

**\$ 100.00**

Also, please indicate any additional charge (handling fee) to be applicable to orders which fall below the bidder's minimum order requirement indicated immediately above; **FREIGHT WILL BE PREPAID AND ADDED TO THE INVOICE. REMEL'S CURRENT FREIGHT IS MINIMUM \$29.75 PER SHIPMENT. FREIGHT IS DETERMINED BY WEIGHT PER SHIPMENT.**

**Delivery Locations:**

Michigan Department of Community Health  
Attn. Mark Warstler  
Stockroom  
927 Terminal Road  
Lansing, MI 48909  
Telephone: (517) 335-9039

\*Michigan Department of Community Health  
Attn. Robbie Bushie/Pat Wheeler  
Houghton Branch Laboratory  
MTU Annex Building, Cliff Drive  
Houghton, MI 49931  
Telephone: (906) 482-3011

\*Location moving in December of 2004, upon award vendor will be notified of new delivery address.

**\*PLEASE NOTE: - AN ADDITIONAL HANDLING FEE WILL BE PROCESSED FOR SHIPMENTS REQUIRING SPECIAL INSTRUCTIONS OR SHIPPING FREIGHT COLLECT. REMEL'S CURRENT SPECIAL HANDLING FEE IS \$20.00 PER SHIPMENT REQUIRING SPECIAL INSTRUCTIONS OR SHIPPING FREIGHT COLLECT.**

**STATE OF MICHIGAN**  
**DEPARTMENT OF MANAGEMENT AND BUDGET**  
**ACQUISITION SERVICES**  
 P.O. BOX 30026, LANSING, MI 48909  
 OR  
 530 W. ALLEGAN, LANSING, MI 48933

February 17, 2005

**NOTICE**  
**OF**  
**CONTRACT NO. 071B5200211**  
**between**  
**THE STATE OF MICHIGAN**  
**and**

NAME & ADDRESS OF VENDOR  <b>Remel Inc.</b> <b>12076 Santa Fe Drive</b> <b>Lenexa, KS 66215</b>	TELEPHONE: Lisa McFarland <b>(800) 255-6730 Ext. 4903</b>
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 373-1455 <b>Laura Gyorkos, CPPB</b>
Contract Compliance Inspector: Shirley Martin (517) 241-2305 <b>Laboratory Supplies/Test Kits – Department of Community Health</b>	
CONTRACT PERIOD: From: <b>February 1, 2005</b> To: <b>December 31, 2007</b>	
TERMS  <p style="text-align: center;"><b>N/A</b></p>	SHIPMENT  <p style="text-align: center;"><b>N/A</b></p>
F.O.B.  <p style="text-align: center;"><b>N/A</b></p>	SHIPPED FROM  <p style="text-align: center;"><b>N/A</b></p>
MINIMUM DELIVERY REQUIREMENTS  <p style="text-align: center;"><b>N/A</b></p>	

**The terms and conditions of this Contract are attached.**

**Estimated Contract Value: \$180,122.85**

**STATE OF MICHIGAN  
 DEPARTMENT OF MANAGEMENT AND BUDGET  
 ACQUISITION SERVICES  
 P.O. BOX 30026, LANSING, MI 48909  
 OR  
 530 W. ALLEGAN, LANSING, MI 48933**

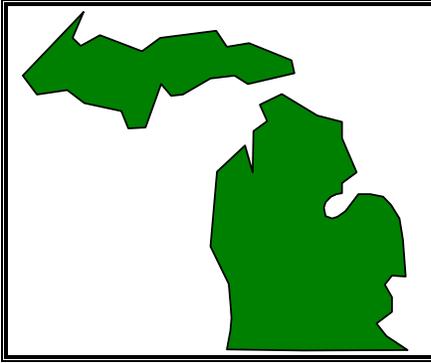
**CONTRACT NO. 071B5200211  
 between  
 THE STATE OF MICHIGAN  
 and**

NAME & ADDRESS OF VENDOR  <b>Remel Inc.          12076 Santa Fe Drive          Lenexa, KS 66215</b>	TELEPHONE: Lisa McFarland <b>(800) 255-6730 Ext. 4903</b> VENDOR NUMBER/MAIL CODE  BUYER/CA (517) 373-1455 <b>Laura Gyorkos, CPPB</b>
Contract Compliance Inspector: Shirley Martin (517) 241-2305 <b>Laboratory Supplies/Test Kits – Department of Community Health</b>	
CONTRACT PERIOD: From: <b>February 1, 2005</b> To: <b>December 31, 2007</b>	
TERMS <p style="text-align: center;"><b>N/A</b></p>	SHIPMENT <p style="text-align: center;"><b>N/A</b></p>
F.O.B. <p style="text-align: center;"><b>N/A</b></p>	SHIPPED FROM <p style="text-align: center;"><b>N/A</b></p>
MINIMUM DELIVERY REQUIREMENTS <p style="text-align: center;"><b>N/A</b></p>	
MISCELLANEOUS INFORMATION:  <b>The terms and conditions of this Contract are attached.</b>  <b>Estimated Contract Value: \$180,122.85</b>	

**THIS IS NOT AN ORDER:** This Contract Agreement is awarded on the basis of our inquiry bearing the **ITB No.071I5200022**. Orders for delivery of equipment will be issued directly by the **Department of Community Health** through the issuance of a Purchase Order Form.

**All terms and conditions of the invitation to bid are made a part hereof.**

<p><b>FOR THE VENDOR:</b></p> <p style="text-align: center;"><b>Remel Inc.</b>          _____          Firm Name</p> <p style="text-align: center;">_____          Authorized Agent Signature</p> <p style="text-align: center;">_____          Authorized Agent (Print or Type)</p> <p style="text-align: center;">_____          Date</p>	<p><b>FOR THE STATE:</b></p> <p style="text-align: center;">_____          Signature  <b>Laura Gyorkos, CPPB</b>          _____          Name  <b>Commodities Division, Acquisition Services</b>          _____          Title</p> <p style="text-align: center;">_____          Date</p>
---	---



**STATE OF MICHIGAN**  
**Department of Management and Budget**  
**Acquisition Services**

Contract No. 071B5200211

**MDCH– Laboratory Supplies/Test Kits**

Buyer Name: Laura Gyorkos, CPPB  
Telephone Number: (517) 373-1455  
Fax: (517) 335-0046  
E-Mail Address: Gyorkosl@michigan.gov



Contract No. #071B5200122
MDCH- Laboratory Supplies/Test Kits

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Attachments:

Item Listing Price Sheet



## **Article1 – Statement of Work (SOW)**

### **1.0 Introduction**

#### **1.001 DEFINING DOCUMENT**

This document contains or incorporates defined requirements, the specifications and scope of work, and all Contractual terms and conditions.

#### **1.002 PROJECT TITLE AND DESCRIPTION**

This Contract is for the Department of Community Health – Laboratory Supplies/ Test Kits.

#### **1.003 PROJECT CONTROL**

##### Project Control

- a. The Contractor will carry out this project under the direction and control of the Department of Community Health.

#### **1.004 COMMENCEMENT OF WORK**

Contractor shall show acceptance of this agreement by signing two copies of this Contract and returning it to the Contract Administrator. Contractor shall not proceed with performance of the work to be done under this agreement, including the purchase of necessary materials, until both parties have signed this agreement to show acceptance of its terms.

### **1.1 Product Quality**

#### **1.101 SPECIFICATIONS**

The required products to be provided by the Contractor under this Contract are listed on the attached pricing sheets.

#### **1.102 RESEARCH AND DEVELOPMENT**

Remel is committed to research and development of laboratory products.

#### **1.103 QUALITY ASSURANCE PROGRAM**

Remel is a leader in quality in the microbiology world. We maintain personnel who's job it is to see the continued quality of our product.

#### **1.104 WARRANTY FOR PRODUCTS OR SERVICES**

Remel maintains a minimum ship guideline to ensure the quality of our products. Should concerns arise regarding Remel products, your Technical Sales Representative, Technical Service Representative and Customer Service Representative are available to assist you.

### **1.2 Service Capabilities**

#### **1.201 CUSTOMER SERVICE/ORDERING**

Orders may be received via mail at:

Remel Inc.  
12075 Santa Fe Drive  
Lenexa, KS 66215

By fax at (800) 621-8251

By telephone at (800) 447-3635

Or Electronic Data Interchange (EDI)

**1.202 TRAINING**

Remel Technical Sales Representative is available to assist in any training needs.

**1.203 REPORTING**

Remel is capable of providing a variety of reports based on the information required.

**1.204 SPECIAL PROGRAMS**

Remel is open to discussing special programs based on the states needs and our capability.

**1.205 SECURITY**

The resulting Contract may require frequent deliveries to State of Michigan facilities. Bidders shall discuss in their proposals all measures utilized by their firm to ensure the security and safety of these buildings. This shall include, but is not limited to, performance of security background checks on all personnel assigned to State of Michigan facilities (i.e. delivery people) and how they are performed, what the security check consists of, the name of the company that performs the security checks, use of uniforms and ID badges, etc. If security background checks are performed on staff, bidders shall indicate the name of the company that performs the check as well as provide a document stating that each employee has satisfactorily completed a security check and is suitable for assignment to State facilities. Upon request by the State, bidders shall provide the results of all security background checks.

Upon review of the security measures included in a bidder's proposal and if that bidder is awarded the Contract, the State will decide whether to issue State ID badges to the bidder's delivery personnel or accept the ID badge issued to delivery personnel by the bidder.

The State may decide to also perform a security background check. If so, bidders will be required to provide to the State a list of all delivery people that will service State of Michigan facilities, including name and date of birth (social security number of driver license number would also be helpful).

The Contractor and its sub-Contractors shall comply with the security access requirements of individual State facilities.

**1.3 Delivery Capabilities****1.301 TIME FRAMES**

Normal delivery of non-hazardous items is 1-3 working days from receipt of order.  
Normal delivery of hazardous items is 3-7 working days from receipt of order.

**1.302 MINIMUM ORDER**

Minimum order is \$100.00

**1.303 PACKAGING**

Product shall be shipped in industry standard packaging.

**1.304 PALLETIZING**

Remel agrees to palletize whenever possible.

- Manufacturers standard 4-way shipping pallets are acceptable.
- Maximum height: 5'6"; including pallet.
- Maximum weight: 3500 pounds; including pallet.
- Pallets are to be securely banded or shrink-wrapped.
- The cost of palletizing must be included in the unit price.



### 1.305 DELIVERY TERM

Prices shall be "F.O.B. Destination". For normal delivery of shipments over \$100.00, freight is absorbed by the vendor (Hazmat, Drop-Ship and Special Handling Fees Excluded). For normal delivery on shipment under \$100.00, freight is prepaid and added to the invoice. Remel's current minimum freight charge is \$29.75 per shipment. Freight is determined by weight per shipment.

Freight Charges - Should an agency order below the minimum order requirement of a Contract, or should a vendor quote F.O.B. Shipping Point on one-time purchases, the Contractor for shipping products must use one of the following carriers. Orders being shipped from or to in the State of Michigan or the States of Illinois, Indiana, Ohio, and Wisconsin, use Alvan Motor Freight (Tel: (800) 632-4172, attention Earl Batenburg); orders being shipped from or to ALL other states, use Roadway Express, Inc. (Tel: (800) 253-3193, attention David Lewis).

United Parcel Service (UPS) must be used in instances where the weight of the shipment is less than 150 lbs., or where shipments could be separated into smaller parcels such as three (3) 50 lb. packages. Also, if the shipment weighs less than 150 lbs, but costs \$3000 or more, it must be sent by the appropriate carrier listed above.

If the Contractor fails to follow these shipping instructions, the State shall pay the carrier used and deduct the difference from the Contractor's invoice for the amount that was charged and the amount that would have been charged if the requested carrier had been used.

### 1.306 RESERVED FOR ACCEPTANCE OF DELIVERABLES/PARE EXPLANATION

## 1.4 Project Price

### 1.401 PROPOSAL PRICING

Bidders shall provide pricing for the items included on this ITB (see attached Item Listing or bidder shall utilize DMB-285).

### 1.402 QUICK PAYMENT TERMS

Payment terms are Net 30 Days.

### 1.403 PRICE TERM

Prices quoted are the maximum for a period of 365 days from the date the Contract becomes effective.

Prices are subject to change at the end of each 365-day period. Such changes shall be based on changes in actual costs incurred. Documentation of such changes must be provided with the request for price change in order to substantiate any requested change. Acquisition Services reserves the right to consider various pertinent information sources to evaluate price increase requests (such as the CPI and PPI, US City Average, as published by the US Department of Labor, Bureau of Labor Statistics). Acquisition Services also reserves the right to consider other information related to special economic and/or industry circumstances, when evaluating a price change request. Changes may be either increases or decreases, and may be requested by either party. Approved changes shall be firm for the remainder of the Contract period unless further revised at the end of the next 365-day period.

Requests for price changes shall be RECEIVED IN WRITING AT LEAST TEN DAYS PRIOR TO THEIR EFFECTIVE DATE, and are subject to written acceptance before becoming effective. In the event new prices are not acceptable, the CONTRACT may be cancelled. The continued payment of any charges due after September 30th of any fiscal year will be subject to the availability of an appropriation for this purpose.

## 1.5 Quantity term

Requirements – Vendor agrees to supply all that the state requires

## 1.6 Specifications/Requirements

See the attached sheets for specifications of laboratory supplies and test kits requested.



## **Article 2 – General Terms and Conditions**

### **2.0 Introduction**

#### **2.001 GENERAL PURPOSE**

This Contract is for Department of Community Health – Laboratory Supplies/ Test Kits. Exact quantities to be purchased are unknown, however the Contractor will be required to furnish all such materials and services as may be ordered during the CONTRACT period. Quantities specified if any, are estimates based on prior purchases, and the State is not obligated to purchase in these or any other quantities. Orders for delivery will be issued directly to the Contractor by various State Agencies on the Purchase Order Contract Release Form.

#### **2.002 ISSUING OFFICE AND CONTRACT ADMINISTRATOR**

This Contract is issued by Acquisition Services, State of Michigan, Department of Management and Budget, hereinafter known as Acquisition Services, for the Michigan Department of Community Health, hereinafter known as MDCH. Where actions are a combination of those of Acquisition Services and the State agencies, the authority will be known as the State.

Acquisition Services is the sole point of contact in the State with regard to all procurement and Contractual matters relating to the commodities and/or services described herein. Acquisition Services is the only office authorized to negotiate, change, modify, amend, alter, clarify, etc., the specifications, terms, and conditions of the Contract. Acquisition Services will remain the SOLE POINT OF CONTACT throughout the procurement process.

**Contractor proceeds at its own risk if it takes negotiation, changes, modification, alterations, amendments, clarification, etc., of the specifications, terms, or conditions of the Contract from any individual or office other than Acquisition Services and the listed Contract administrator**

All communications covering this procurement must be addressed to Contract administrator indicated below:

Department of Management and Budget  
Acquisition Services  
[Attn: Laura Gyorkos, CPPB](mailto:Gyorkosl@michigan.gov)  
2nd Floor, Mason Building  
P.O. Box 30026  
Lansing, Michigan 48909  
[\(517\) 373-1455 – Telephone](tel:5173731455)  
[\(517\) 335-0046 - Fax](tel:5173350046)  
[Gyorkosl@michigan.gov](mailto:Gyorkosl@michigan.gov)

#### **2.003 NOTICE**

Any notice given to a party under this Contract must be written and shall be deemed effective, if addressed to such party as addressed below upon (i) delivery, if hand delivered; (ii) receipt of a confirmed transmission by facsimile if a copy of the notice is sent by another means specified in this section; (iii) the third (3rd) Business Day after being sent by U.S. mail, postage pre-paid, return receipt requested; or (iv) the next Business Day after being sent by a nationally recognized overnight express courier with a reliable tracking system.

#### **2.004 CONTRACT TERM**

The term of this Contract will be for three (3) years and will commence with the issuance of a Contract. This will be approximately February 1, 2005 through December 31, 2007.

**Option.** The State reserves the right to exercise two (2), one-year options, at the sole option of the State. Contractor performance, quality of products, price, cost savings, and the Contractor's ability to deliver on time are some of the criteria that will be used as a basis for any decision by Acquisition Services to exercise an option year.



**Extension.** At the sole option of the State, the Contract may also be extended. Contractor performance, quality of products, price, cost savings, and the Contractor's ability to deliver on time are some of the criteria that will be used as a basis for any decision by Acquisition Services to exercise an option year.

Written notice will be provided to the Contractor within 60 days, provided that the State gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the Contract expires. The preliminary notice does not commit the State to an extension. If the State exercises this option, the extended Contract shall be considered to include this option clause.

## 2.005 GOVERNING LAW

This Contract shall in all respects be governed by, and construed in accordance with, the laws of the State of Michigan. By signing this agreement, vendor consents to personal jurisdiction in the state of Michigan. Any dispute arising herein shall be resolved in the State of Michigan.

## 2.006 APPLICABLE STATUTES

The following statutes, rules, and laws are applicable to the performance of this Contract; some statutes are reflected in the clauses of this Contract. This list is NOT exhaustive.

MI Uniform Commercial Code (MIUCC) MCL 440. (All sections unless otherwise altered by agreement)

MI OSHA MCL §§ 408.1001 – 408.1094

Freedom of Information Act (FIOA) MCL §§ 15.231, et seq.

Natural Resources and Environmental Protection Act MCL §§ 324.101, et seq.

MI Consumer Protection Act MCL §§ 445.901 – 445.922

Laws relating to wages, payments of wages, and fringe benefits on state projects MCL §§ 408.551 – 408.558, 408.471 – 408.490, 1965 PA 390.

Department of Civil Service Rules and regulations

Elliot Larsen Civil Rights Act MCL §§ 37.2201, et seq.

Persons with disabilities Civil Rights Act MCL §§ 37.1101, et seq.

MCL §§ 423.321, et seq.

MCL § 18.1264 (law regarding debarment)

Davis-Bacon Act (DBA) 40 USCU §§ 276(a), et seq.

Contract Work Hours and Safety Standards Act (CWHSSA) 40 USCS § 327, et seq.

Business Opportunity Act for Persons with Disabilities MCL §§ 450.791 – 450.795

Rules and regulations of the Environmental Protection Agency

Internal Revenue Code

Rules and regulations of the Equal Employment Opportunity Commission (EEOC)

The Civil Rights Act of 1964, USCS Chapter 42

Title VII, 42 USCS §§ 2000e et seq.

The Americans with Disabilities Act (ADA), 42 USCS §§ 12101 et seq.

The Age Discrimination in Employment Act of 1967 (ADEA), 29 USCS §§ 621, 623 et seq.

The Old Workers Benefit and Protection Act of 1990 (OWBPA), 29 USCS §§ 626, et seq.

The Family Medical Leave Act of 1993 (FMLA), 29 USC §§ 651 et seq.

The Fair Labor Standards Act (FLSA), 29 USC §§ 201 et seq.

Pollution Prevention Act of 1990 (PPA) 42 U.S.C. §13106

Sherman Act, 15 U.S.C.S. § 1 et seq.

Robinson-Patman Act, 15 U.S.C.S. § 13 et. seq.

Clayton Act, 15 U.S.C.S. § 14 et seq.



## **2.007 RELATIONSHIP OF THE PARTIES**

The relationship between the State and the Contractor is that of client and independent Contractor. No agent, employee, or servant of the Contractor or any of its subContractors shall be or shall be deemed to be an employee, agent, or servant of the State for any reason. The Contractor will be solely and entirely responsible for its acts and the acts of its agents, employees, servants and subContractors during the performance of this Contract.

## **2.008 HEADINGS**

Captions and headings used in this Contract are for information and organization purposes. Captions and headings, including inaccurate references, do not, in any way, define or limit the requirements or terms and conditions of this Contract.

## **2.009 MERGER**

This document constitutes the complete, final, and exclusive agreement between the parties. All other prior writings and negotiations are ineffective.

## **2.010 SEVERABILITY**

Each provision of this Contract shall be deemed to be severable from all other provisions of this Contract and, if one or more of the provisions of this Contract shall be declared invalid, the remaining provisions of this Contract shall remain in full force and effect.

## **2.011 SURVIVORSHIP**

Any provisions of this Contract that impose continuing obligations on the parties including, but not limited to the Contractor's indemnity and other obligations shall survive the expiration or cancellation of this Contract for any reason.

## **2.012 NO WAIVER OF DEFAULT**

The failure of a party to insist upon strict adherence to any term of this Contract shall not be considered a waiver or deprive the party of the right thereafter to insist upon strict adherence to that term or any other term of this Contract.

## **2.013 PURCHASE ORDERS**

Orders for delivery of commodities and/or services may be issued directly by the State Departments through the issuance of a Purchase Order Form referencing this Contract (Blanket Purchase Order) agreement and the terms and conditions contained herein. Contractor is asked to reference the Purchase Order Number on all invoices for payment.

## **2.1 Vendor/Contractor Obligations**

### **2.101 ACCOUNTING RECORDS**

The Contractor and all subContractors shall maintain all pertinent financial and accounting records and evidence pertaining to this Contract in accordance with generally accepted principles of accounting and other procedures specified by the State of Michigan. Financial and accounting records shall be made available, upon request, to the State of Michigan, its designees, or the Michigan Auditor General at any time during the Contract period and any extension thereof, and for three years from expiration date and final payment on this Contract or extension thereof.

### **2.102 NOTIFICATION OF OWNERSHIP**

The Contractor shall make the following notifications in writing:



1. When the Contractor becomes aware that a change in its ownership or officers has occurred, or is certain to occur, that could result in changes in the valuation of its capitalized assets in the accounting records, the Contractor shall notify Acquisition Services within 30 days.
2. The Contractor shall also notify the Acquisition Services within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership or officers.

The Contractor shall:

1. Maintain current, accurate, and complete inventory records of assets and their costs;
2. Provide Acquisition Services or designated representative ready access to the records upon request;
3. Ensure that all individual and grouped assets, their capitalized values, accumulated depreciation or amortization, and remaining useful lives are identified accurately before and after each of the Contractor's ownership or officer changes; and
4. Retain and continue to maintain depreciation and amortization schedules based on the asset records maintained before each Contractor ownership or officer change.

#### **2.103 SOFTWARE COMPLIANCE RESERVED**

#### **2.104 RESERVED**

#### **2.105 PERFORMANCE AND RELIABILITY EVALUATION (PARE) RESERVED**

#### **2.106 PREVAILING WAGE**

The rates of wages and fringe benefits to be paid each class of individuals employed by the Contractor, its subContractors, their subContractors, and all persons involved with the performance of this Contract in privity of Contract with the Contractor shall not be less than the wage rates and fringe benefits established by the Michigan Department of Consumer and Industry Service, Bureau of Safety and Regulation, Wage/Hour Division schedule of occupational classification and wage rates and fringe benefits for the local where the work is to be performed. The term Contractor shall include all general Contractors, prime Contractors, project managers, trade Contractors, and all of their Contractors or subContractors and persons in privity of Contract with them.

The Contractor, its subContractors, their subContractors, and all persons involved with the performance of this Contract in privity of Contract with the Contractor shall keep posted on the work site, in a conspicuous place, a copy of all wage rates and fringe benefits as prescribed in the Contract. You must also post, in a conspicuous place, the address and telephone number of the Michigan Department of Consumer and Industry Services, the office responsible for enforcement of the wage rates and fringe benefits. You shall keep an accurate record showing the name and occupation of the actual wage and benefits paid to each individual employed in connection with this Contract. This record shall be available to the State upon request for reasonable inspection.

If any trade is omitted from the list of wage rates and fringe benefits to be paid to each class of individuals by the Contractor, it is understood that the trades omitted shall also be paid not less than the wage rate and fringe benefits prevailing in the local where the work is to be performed.

#### **2.107 PAYROLL AND BASIC RECORDS**

Payrolls and basic records relating to the performance of this Contract shall be maintained by the Contractor during the course of the work and preserved for a period of 3 years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types



described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

The Contractor shall submit a copy of all payrolls to the Contract Administrator upon request. The payrolls submitted shall set out accurately and completely all of the information required to be maintained as indicated above.

The Prime Contractor is responsible for the submission of copies of payrolls by all sub-Contractors upon request from the Contract Administrator

The Contractor or sub-Contractor shall permit the Contract Administrator or representatives of the Contract Administrator or the State of Michigan to interview employees during working hours on the job.

If the Contractor or sub-Contractor fails to submit required records or to make them available, the Contract Administrator may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment.

#### **2.108 COMPETITION IN SUB-CONTRACTING**

The Contractor shall select sub-Contractors (including suppliers) on a competitive basis to the maximum practical extent consistent with the objectives and requirements of the Contract.

#### **2.109 CALL CENTER DISCLOSURE**

Contractor and/or all sub-Contractors involved in the performance of this Contract providing call or contact center services to the State of Michigan must disclose the location of its call or contact center services to inbound callers. Failure to disclose this information shall be a material breach of this agreement.

### **2.2 Contract Performance**

#### **2.201 TIME IS OF THE ESSENCE**

Contractor is on notice that time is of the essence in the performance of this Contract. Late performance will be considered a material breach of this Contract, giving the State a right to invoke all remedies available to it under this Contract.

#### **2.202 CONTRACT PAYMENT SCHEDULE**

All invoices should reflect actual commodities shipped and received with order. Specific details of invoices and payments will be agreed upon between the Contract Compliance Inspector and the Contractor after the proposed Contract Agreement has been signed and accepted by both the Contractor and the Director of Acquisition Services, Department of Management & Budget. This activity will occur only upon the specific written direction from Acquisition Services. As a general policy invoice statements shall be forwarded to the designated representative by the 15th day of the following month.

#### **2.203 POSSIBLE PROGRESS PAYMENTS - RESERVED**

#### **2.204 POSSIBLE PERFORMANCE-BASED PAYMENTS -RESERVED**

#### **2.205 ELECTRONIC PAYMENT AVAILABILITY**

Electronic transfer of funds is available to State Contractors. Contractor is encouraged to register with the State of Michigan Office of Financial Management so the State can make payments related to this Contract electronically at [www.cpexpress.state.mi.us](http://www.cpexpress.state.mi.us).



## 2.206 PERFORMANCE OF WORK BY CONTRACTOR- RESERVED

### 2.3 Contract Rights and Obligations

#### 2.301 INCURRING COSTS

The State of Michigan is not liable for any cost incurred by the Contractor prior to signing of this Contract. The State fiscal year is October 1st through September 30th. The Contractor should realize that payments in any given fiscal year are contingent upon enactment of legislative appropriations. Total liability of the State is limited to terms and conditions of this Contract.

#### 2.302 CONTRACTOR RESPONSIBILITIES

The Contractor will be required to assume responsibility for all Contractual activities, whether or not that Contractor performs them. Further, the State will consider the Contractor to be the sole point of contact with regard to Contractual matters, including payment of any and all charges resulting from this Contract. If any part of the work is to be sub-Contracted, the Contract must include a list of sub-Contractors, including firm name and address, contact person and a complete description of work to be sub-Contracted. The State reserves the right to approve sub-Contractors and to require the Contractor to replace sub-Contractors found to be unacceptable. The Contractor is totally responsible for adherence by the sub-Contractor to all provisions of the Contract. Any change in sub-Contractors must be approved by the State, in writing, prior to such change.

#### 2.303 ASSIGNMENT AND DELEGATION

The Contractor shall not have the right to assign this Contract, to assign its rights under this Contract, or delegate any of its duties or obligations under this Contract to any other party (whether by operation of law or otherwise), without the prior written consent of the State. Any purported assignment in violation of this Section shall be null and void. Further, the Contractor may not assign the right to receive money due under this Contract without the prior written consent of the Director of Acquisition Services.

The Contractor shall not delegate any duties or obligations under this Contract to a sub-Contractor other than a sub-Contractor named and approved in the bid unless the Director of Acquisition Services has given written consent to the delegation.

**Contractor must obtain the approval of the Director of Acquisition Services before using a place of performance that is different from the address that Contractor provided in the bid.**

#### 2.304 TAXES

Sales Tax: For purchases made directly by the State of Michigan, the State is exempt from State and Local Sales Tax. Prices shall not include such taxes. Exemption Certificates for State Sales Tax will be furnished upon request.

Federal Excise Tax: The State of Michigan may be exempt for Federal Excise Tax, or such taxes may be reimbursable, if articles purchased under this Contract are used for the State's exclusive use. Certificates exclusive use for the purposes of substantiating a tax-free, or tax-reimbursable sale will be sent to the Contractor upon request. If a sale is tax exempt or tax reimbursable under the Internal Revenue Code, prices shall not include the Federal Excise Tax.

The State's Tax Exempt Certification is available for vendor viewing upon request to the Contract Administrator.

#### 2.305 INDEMNIFICATION

##### General Indemnification

To the fullest extent permitted by law, the Contractor shall indemnify, defend and hold harmless the State, its departments, divisions, agencies, sections, commissions, officers, employees and agents,



from and against all losses, liabilities, penalties, fines, damages and claims (including taxes), and all related costs and expenses (including reasonable attorneys' fees and disbursements and costs of investigation, litigation, settlement, judgments, interest and penalties), arising from or in connection with any of the following:

1. Any claim, demand, action, citation or legal proceeding against the State, its employees and agents arising out of or resulting from (1) the product provided or (2) performance of the work, duties, responsibilities, actions or omissions of the Contractor or any of its sub-Contractors under this Contract.
2. Any claim, demand, action, citation or legal proceeding against the State, its employees and agents arising out of or resulting from a breach by the Contractor of any representation or warranty made by the Contractor in the Contract;
3. Any claim, demand, action, citation or legal proceeding against the State, its employees and agents arising out of or related to occurrences that the Contractor is required to insure against as provided for in this Contract;
4. Any claim, demand, action, citation or legal proceeding against the State, its employees and agents arising out of or resulting from the death or bodily injury of any person, or the damage, loss or destruction of any real or tangible personal property, in connection with the performance of services by the Contractor, by any of its sub-Contractors, by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable; provided, however, that this indemnification obligation shall not apply to the extent, if any, that such death, bodily injury or property damage is caused solely by the negligence or reckless or intentional wrongful conduct of the State;
5. Any claim, demand, action, citation or legal proceeding against the State, its employees and agents which results from an act or omission of the Contractor or any of its sub-Contractors in its or their capacity as an employer of a person.

#### Patent/Copyright Infringement Indemnification

To the fullest extent permitted by law, the Contractor shall indemnify, defend and hold harmless the State, its employees and agents from and against all losses, liabilities, damages (including taxes), and all related costs and expenses (including reasonable attorneys' fees and disbursements and costs of investigation, litigation, settlement, judgments, interest and penalties) incurred in connection with any action or proceeding threatened or brought against the State to the extent that such action or proceeding is based on a claim that any piece of equipment, software, commodity or service supplied by the Contractor or its sub-Contractors, or the operation of such equipment, software, commodity or service, or the use or reproduction of any documentation provided with such equipment, software, commodity or service infringes any United States or foreign patent, copyright, trade secret or other proprietary right of any person or entity, which right is enforceable under the laws of the United States. In addition, should the equipment, software, commodity, or service, or the operation thereof, become or in the Contractor's opinion be likely to become the subject of a claim of infringement, the Contractor shall at the Contractor's sole expense (i) procure for the State the right to continue using the equipment, software, commodity or service or, if such option is not reasonably available to the Contractor, (ii) replace or modify the same with equipment, software, commodity or service of equivalent function and performance so that it becomes non-infringing, or, if such option is not reasonably available to Contractor, (iii) accept its return by the State with appropriate credits to the State against the Contractor's charges and reimburse the State for any losses or costs incurred as a consequence of the State ceasing its use and returning it.

#### Code Indemnification

To the extent permitted by law, the Contractor shall indemnify, defend and hold harmless the State from any claim, loss, or expense arising from Contractor's breach of the No Surreptitious Code Warranty.



### Indemnification Obligation Not Limited

In any and all claims against the State of Michigan, or any of its agents or employees, by any employee of the Contractor or any of its sub-Contractors, the indemnification obligation under the Contract shall not be limited in any way by the amount or type of damages, compensation or benefits payable by or for the Contractor or any of its sub-Contractors under worker's disability compensation acts, disability benefits acts, or other employee benefits acts. This indemnification clause is intended to be comprehensive. Any overlap in sub clauses, or the fact that greater specificity is provided as to some categories of risk, is not intended to limit the scope of indemnification under any other sub clause.

### Continuation of Indemnification Obligation

The duty to indemnify will continue in full force and affect not withstanding the expiration or early termination of the Contract with respect to any claims based on facts or conditions, which occurred prior to termination.

### Indemnification Procedures

The procedures set forth below shall apply to all indemnity obligations under this Contract.

- (a) After receipt by the State of notice of the action or proceeding involving a claim in respect of which it will seek indemnification, the State shall promptly notify Contractor of such claim in writing and take or assist Contractor in taking, as the case may be, any reasonable action to avoid the imposition of a default judgment against Contractor. No failure to so notify Contractor shall relieve Contractor of its indemnification obligations except to the extent that Contractor can demonstrate damages attributable to such failure. Within ten (10) days following receipt of written notice from the State relating to any claim, Contractor shall notify the State in writing whether Contractor agrees to assume control of the defense and settlement of that claim (a "Notice of Election"). After notifying Contractor of a claim and prior to the State receiving Contractor's Notice of Election, the State shall be entitled to defend against the claim, at Contractor's expense, and Contractor will be responsible for any reasonable costs incurred by the State in defending against the claim during such period.
- (b) If Contractor delivers a Notice of Election relating to any claim: (i) the State shall be entitled to participate in the defense of such claim and to employ counsel at its own expense to assist in the handling of such claim and to monitor and advise the State about the status and progress of the Defense; (ii) Contractor shall, at the request of the State, demonstrate to the reasonable satisfaction of the State, Contractor's financial ability to carry out its defense and indemnity obligations under this Contract; (iii) Contractor shall periodically advise the State about the status and progress of the defense and shall obtain the prior written approval of the State before entering into any settlement of such claim or ceasing to defend against such claim and (iv) to the extent that any principles of Michigan Stateal or public law may be involved or challenged, the State shall have the right, at its own expense, to control the defense of that portion of such claim involving the principles of Michigan Stateal or public law. Notwithstanding the foregoing, the State may retain control of the defense and settlement of a claim by written notice to Contractor given within ten (10) days after the State's receipt of Contractor's information requested by the State pursuant to clause (ii) of this paragraph if the State determines that Contractor has failed to demonstrate to the reasonable satisfaction of the State Contractor's financial ability to carry out its defense and indemnity obligations under this Section. Any litigation activity on behalf of the State of Michigan, or any of its subdivisions pursuant to this Section, must be coordinated with the Department of Attorney General. In the event the insurer's attorney represents the State pursuant to this Section, the insurer's attorney may be required to be designated as a Special Assistant Attorney General by the Attorney General of the State of Michigan.



- (c) If Contractor does not deliver a Notice of Election relating to any claim of which it is notified by the State as provided above, the State shall have the right to defend the claim in such manner as it may deem appropriate, at the cost and expense of Contractor. If it is determined that the claim was one against which Contractor was required to indemnify the State, upon request of the State, Contractor shall promptly reimburse the State for all such reasonable costs and expenses.

### **2.306 LIMITATION OF LIABILITY**

The Contractor's liability for damages to the State shall be limited to two times the value of this Contract or \$200,000 which ever is higher. The foregoing limitation of liability shall not apply to claims for infringement of United States patent, copyright, trademarks or trade secrets; to claims for personal injury or damage to property caused by the gross negligence or willful misconduct of the Contractor; to claims covered by other specific provisions of this Contract calling for liquidated damages; to Contractor's indemnification obligations (2.305); or to court costs or attorney's fees awarded by a court in addition to damages after litigation based on this Contract.

The State's liability for damages to the Contractor shall be limited to the value of this Contract.

### **2.307 CONTRACT DISTRIBUTION**

Acquisition Services shall retain the sole right of Contract distribution to all State agencies and local units of State unless other arrangements are authorized by Acquisition Services.

### **2.308 FORM, FUNCTION, AND UTILITY**

If this Contract is for use by more than one State agency and if the good or service provided under this Contract do not meet the form, function, and utility required by a State agency, that agency may, subject to State purchasing policies, procure the good or service from another source.

### **2.309 ASSIGNMENT OF ANTITRUST CAUSE OF ACTION**

For and in consideration of the opportunity to submit a quotation and other good and valuable consideration, the Contractor hereby assigns, sells and transfers to the State of Michigan all rights, title and interest in and to all causes of action it may have under the antitrust laws of the United States or this State for price fixing, which causes of action have accrued prior to the date of payment and which relate solely to the particular goods, commodities, or services purchased or procured by this State pursuant to this transaction.

### **2.310 PURCHASING FROM OTHER STATE AGENCIES**

State agencies are exempt from utilizing this Contract if they would instead prefer to purchase similar items from the following State agencies:

- Michigan State Industries (MSI), which provides valuable training opportunities for inmates at State correctional facilities.
- Department of Management and Budget, Print and Graphics Services

### **2.311 TRANSITION ASSISTANCE**

If this Contract is not renewed at the end of this term, or is canceled prior to its expiration, for any reason, the Contractor must provide for up to 60 days after the expiration or cancellation of this Contract, all reasonable transition assistance requested by the State, to allow for the expired or canceled portion of the Services to continue without interruption or adverse effect, and to facilitate the orderly transfer of such services to the State or its designees. Such transition assistance will be deemed by the parties to be governed by the terms and conditions of this Contract, (notwithstanding this expiration or cancellation) except for those Contract terms or conditions that do not reasonably apply to such transition assistance. The State shall pay the Contractor for any resources utilized in performing such transition assistance at the most current rates provided by the Contract for Contract performance.

**2.312 RESERVED****2.313 RESERVED****2.314 WEBSITE INCORPORATION**

State expressly states that it will not be bound by any content on the Contractor's website, even if the Contractor's documentation specifically referenced that content and attempts to incorporate it into any other communication, unless the State has actual knowledge of such content and has expressly agreed to be bound by it in a writing that has been manually signed by an authorized representation of the State.

**2.4 Contract Review and Evaluation****2.401 CONTRACT COMPLIANCE INSPECTOR**

Upon receipt at Acquisition Services of the properly executed Contract Agreement, the person named below will be allowed to oversee the Contract performance on a day-to-day basis during the term of the Contract. However, overseeing the Contract implies **no authority to negotiate, change, modify, clarify, amend, or otherwise alter the terms, conditions, and specifications of such Contract(s). That authority is retained by Acquisition Services.** The Contract Compliance Inspector for this project is:

Shirley Martin  
Michigan Department of Community Health, Contract Management Section  
Lewis Cass Building, 320 S. Walnut Street  
Lansing, MI 48913  
Telephone: (517) 241-2305 or (517) 241-2252  
Fax: (517) 241-4845  
Email: [martins@michigan.gov](mailto:martins@michigan.gov)

**2.402 PERFORMANCE REVIEWS**

Acquisition Services in conjunction with the Department of Environmental Quality, Laboratory Services Section may review with the Contractor their performance under this Contract. Performance reviews shall be conducted quarterly, semi-annually or annually depending on Contractor's past performance with the State. Performance reviews shall include, but not limited to, quality of products/services being delivered and provided, timeliness of delivery, percentage of completion of orders, the amount of back orders, status of such orders, accuracy of billings, customer service, completion and submission of required paperwork, the number of substitutions and the reasons for substitutions, and other requirements of this Contract.

Upon a finding of poor performance, which has been documented by Acquisition Services, the Contractor shall be given an opportunity to respond and take corrective action. If corrective action is not taken in a reasonable amount of time as determined by Acquisition Services, this Contract may be canceled for default. Delivery by the Contractor of unsafe and/or adulterated or off-condition products to any State agency is considered a material breach of Contract subject to the cancellation provisions contained herein.

**2.403 AUDIT OF CONTRACT COMPLIANCE/ RECORDS AND INSPECTIONS**

The Contractor agrees that the State may, upon 24-hour notice, perform an audit at Contractor's location(s) to determine if the Contractor is complying with the requirements of this Contract. The Contractor agrees to cooperate with the State during the audit and produce all records and documentation that verifies compliance with the Contract requirements.

**2.5 Quality and Warranties****2.501 PROHIBITED PRODUCTS**

The State will not accept salvage, distressed, outdated or discontinued merchandise. Shipping of such merchandise to any State agency, as a result of an order placed against this Contract, shall be considered default by the Contractor of the terms and conditions of this Contract and may result in cancellation of this Contract by the State. The brand and product number offered for all items shall remain consistent for the term of the Contract, unless Acquisition Services has approved a change.



## 2.502 QUALITY ASSURANCE

The State reserves the right to periodically test products, which have been received to verify compliance with specifications. If laboratory analysis shows that the product does not meet specifications or fails to perform satisfactorily at any time, the Contractor shall be responsible for:

1. All costs of testing and laboratory analysis.
2. Disposal and/or replacement of all products which fail to meet specifications.
3. All costs of repair and/or replacement of equipment deemed to have been damaged by substandard products as determined by the State.

## 2.503 INSPECTION

All goods are subject to inspection and testing. In the event goods are defective in material or workmanship, or otherwise fail to meet the requirements of this Contract, the State shall have the right to reject the goods or retain the goods and correct the defects. The Contractor shall pay the State for expenses incurred in correcting defects. Rejected goods will be held for 45 days after delivery. The Contractor must arrange for the return of said goods, including paying for handling, packing, and transportation costs. The State has the authority to dispose of the goods without further liability to the State in the event the Contractor fails to make arrangements within the specified time period.

## 2.504 GENERAL WARRANTIES (goods)

*Warranty of Merchantability* – Goods provided by the Contractor under this Contract shall be merchantable. All goods provided under this Contract shall be of good quality within the description given by the State, shall be fit for their ordinary purpose, shall be adequately contained and packaged within the description given by the State, shall conform to the agreed upon specifications, and shall conform to the affirmations of fact made by the vendor or on the container or label.

*Warranty of fitness for a particular purpose* – When vendor has reason to know or knows any particular purpose for which the goods are required, and the State is relying on the vendor's skill or judgment to select or furnish suitable goods, there is a warranty that the goods are fit for such purpose.

*Warranty of title* – Vendor shall, in providing goods to the State, convey good title in those goods, whose transfer is right and lawful. All goods provided by vendor shall be delivered free from any security interest, lien, or encumbrance of which the State, at the time of Contracting, has no knowledge. Goods provided by vendor, under this agreement, shall be delivered free of any rightful claim of any third person by of infringement or the like.

## 2.505 CONTRACTOR WARRANTIES

The Contract will contain customary representations and warranties by the Contractor, including, without limitation, the following:

1. The Contractor will perform all services in accordance with high professional standards in the industry;
2. The Contractor will use adequate numbers of qualified individuals with suitable training, education, experience and skill to perform the services;
3. The Contractor will use its best efforts to use efficiently any resources or services necessary to provide the services that are separately chargeable to the State;
4. The Contractor will use its best efforts to perform the services in the most cost effective manner consistent with the required level of quality and performance;
5. The Contractor will perform the services in a manner that does not infringe the proprietary rights of any third party;



6. The Contractor will perform the services in a manner that complies with all applicable laws and regulations;
7. The Contractor has duly authorized the execution, delivery and performance of this Contract;
8. The Contractor is capable in all respects of fulfilling and shall fulfill all of its obligations under this Contract.
9. The Contract appendices, attachments, and exhibits identify all equipment and software services necessary for the deliverable(s) to perform and operate in compliance with the Contract's requirements.
10. The Contractor is the lawful owner or licensee of any Deliverable licensed or sold to the state by Contractor or developed by Contractor under this Contract, and Contractor has all of the rights necessary to convey to the state the ownership rights or license use, as applicable, of any and all Deliverables.
11. If, under this Contract, Contractor procures any equipment, software or other Deliverable for the State (including equipment, software and other Deliverables manufactured, re-marketed or otherwise sold by Contractor under Contractor's name), then in addition to Contractor's other responsibilities with respect to such items as set forth in this Contract, Contractor shall assign or otherwise transfer to the State or its designees, or afford the State the benefits of, any manufacturer's warranty for the Deliverable.
12. The Contract signatory has the power and authority, including any necessary corporate authorizations, necessary to enter this Contract, on behalf of Contractor.
13. The Contractor is qualified and registered to transact business in all locations where required.
14. Neither the Contractor nor any Affiliates, nor any employee of either, has, shall have, or shall acquire, any Contractual, financial, business, or other interest, direct or indirect, that would conflict in any manner or degree with Contractor's performance of its duties and responsibilities to the State under this Contract or otherwise create an appearance of impropriety with respect to the award or performance of this Agreement. Contractor shall notify the State within two (2) days of any such interest that may be incompatible with the interests of the State.
15. All financial statements, reports, and other information furnished by Contractor to the State as part of its response to the ITB or otherwise in connection with the award of this Contract fairly and accurately represent the business, properties, financial condition, and results of operations of Contractor as of the respective dates, or for the respective periods, covered by such financial statements, reports, other information. Since the respective dates or periods covered by such financial statements, reports, or other information, there have been no material adverse changes in the business, properties, financial condition, or results of operations of Contractor. All written information furnished to the State by or behalf of Contractor in connection with this Contract, including its bid, is true, accurate, and complete, and contains no untrue statement of material fact or omits any material fact necessary to make such information not misleading.

#### **2.506 STAFF**

The State reserves the right to approve the Contractor's assignment of Key Personnel to this project and to recommend reassignment of personnel deemed unsatisfactory by the State.

The Contractor shall not remove or reassign, without the State's prior written approval any of the Key Personnel until such time as the Key Personnel have completed all of their planned and assigned responsibilities in connection with performance of the Contractor's obligations under this Contract. The Contractor agrees that the continuity of Key Personnel is critical and agrees to the continuity of Key Personnel. Removal of Key Personnel without the written consent of the State may be considered by the State to be a material breach of this Contract. The prohibition against removal or reassignment shall not apply where Key Personnel must be replaced for reasons beyond the reasonable control of the Contractor including but not limited to illness, disability, resignation or termination of the Key Personnel's employment.



**2.507 LIABILITY INSURANCE**

**A. Insurance**

The Contractor is required to provide proof of the minimum levels of insurance coverage as indicated below. The purpose of this coverage shall be to protect the State from claims which may arise out of or result from the Contractor's performance of services under the terms of this Contract, whether such services are performed by the Contractor, or by any sub-Contractor, or by anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable.

The Contractor waives all rights against the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents for recovery of damages to the extent these damages are covered by the insurance policies the Contractor is required to maintain pursuant to this Contract.

All insurance coverage provided relative to this Contract/Purchase Order is PRIMARY and NON-CONTRIBUTING to any comparable liability insurance (including self-insurances) carried by the State.

The insurance shall be written for not less than any minimum coverage specified in this Contract or required by law, whichever is greater.

The insurers selected by Contractor shall have an A.M. Best rating of A or better, or as otherwise approved in writing by the State, or if such ratings are no longer available, with a comparable rating from a recognized insurance rating agency. Companies that have been approved to do business in the State shall issue all policies of insurance required in this Contract.

See [www.michigan.gov/cis](http://www.michigan.gov/cis)

Where specific limits are shown, they are the minimum acceptable limits. If Contractor's policy contains higher limits, the State shall be entitled to coverage to the extent of such higher limits.

Before both parties sign the Contract or before the purchase order is issued by the State, the Contractor must furnish to the Director of Acquisition Services, certificate(s) of insurance verifying insurance coverage ("Certificates"). The Certificate must be on the standard "accord" form or equivalent. **THE CONTRACT OR PURCHASE ORDER NO. MUST BE SHOWN ON THE CERTIFICATE OF INSURANCE TO ASSURE CORRECT FILING.** All Certificate(s) are to be prepared and submitted by the Insurance Provider. All Certificate(s) shall contain a provision indicating that coverage afforded under the policies WILL NOT BE CANCELLED, MATERIALLY CHANGED, OR NOT RENEWED without THIRTY (30) days prior written notice, except for ten (10) days for non-payment of premium, having been given to the Director of Acquisition Services, Department of Management and Budget. The notice must include the Contract or Purchase Order number affected and be mailed to: Director, Acquisition Services, Department of Management and Budget, P.O. Box 30026, Lansing, Michigan 48909. Failure to provide evidence of coverage, may, at the State's sole option, result in this Contract's termination.

The Contractor is required to pay for and provide the type and amount of insurance checked **below**:

( X ) 1. Commercial General Liability with the following minimum coverage:

\$2,000,000	General Aggregate Limit other than Products/Completed Operations
\$2,000,000	Products/Completed Operations Aggregate Limit
\$1,000,000	Personal & Advertising Injury Limit
\$1,000,000	Each Occurrence Limit
\$500,000	Fire Damage Limit (any one fire)

The Contractor must list the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents as ADDITIONAL INSUREDS on the Commercial General Liability certificate. The Contractor also agrees to provide evidence that insurance policies contain a waiver of subrogation by the insurance company.



- ( X ) 2. If a motor vehicle is used to provide services or products under this Contract, the Contractor must have vehicle liability insurance on any auto including owned, hired and non-owned vehicles used in Contractor's business for bodily injury and property damage as required by law.

The Contractor must list the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents as ADDITIONAL INSUREDS on the vehicle liability certificate. The Contractor also agrees to provide evidence that insurance policies contain a waiver of subrogation by the insurance company.

- ( X ) 3. Workers' compensation coverage must be provided in accordance with applicable laws governing the employees and employers work activities in the state of the Contractor's domicile. If a self-insurer provides the applicable coverage, proof must be provided of approved self-insured authority by the jurisdiction of domicile. For employees working outside of the state of qualification, Contractor must provide appropriate certificates of insurance proving mandated coverage levels for the jurisdictions where the employees' activities occur.

Any certificates of insurance received must also provide a list of states where the coverage is applicable.

The Contractor also agrees to provide evidence that insurance policies contain a waiver of subrogation by the insurance company. This provision shall not be applicable where prohibited or limited by the laws of the jurisdiction in which the work is to be performed.

- ( X ) 4. Employers liability insurance with the following minimum limits:

\$100,000	each accident
\$100,000	each employee by disease
\$500,000	aggregate disease

- ( \_\_ ) 5. Employee Fidelity, including Computer Crimes, insurance naming the State as a loss payee, providing coverage for direct loss to the State and any legal liability of the State arising out of or related to fraudulent or dishonest acts committed by the employees of Contractor or its sub-Contractors, acting alone or in collusion with others, in a minimum amount of one million dollars (\$1,000,000.00) with a maximum deductible of fifty thousand dollars (\$50,000.00).

- ( \_\_ ) 6. Umbrella or Excess Liability Insurance in a minimum amount of ten million dollars (\$10,000,000.00), which shall apply, at a minimum, to the insurance required in Subsection 1 (Commercial General Liability) above.

- ( \_\_ ) 7. Professional Liability (Errors and Omissions) Insurance with the following minimum coverage: three million dollars (\$3,000,000.00) each occurrence and three million dollars (\$3,000,000.00) annual aggregate.

- ( \_\_ ) 8. Fire and Personal Property Insurance covering against any loss or damage to the office space used by Contractor for any reason under this Contract, and the equipment, software and other contents of such office space, including without limitation, those contents used by Contractor to provide the Services to the State, up to the replacement value thereof, where such office space and its contents are under the care, custody and control of Contractor. Such policy shall cover all risks of direct physical loss or damage, including without limitation, flood and earthquake coverage and coverage for computer hardware and software. The State shall be endorsed on the policy as a loss payee as its interests appear.



## **B. Sub-Contractors**

Except where the State has approved in writing a Contractor sub-Contract with other insurance provisions, Contractor shall require all of its Sub-Contractors under this Contract to purchase and maintain the insurance coverage as described in this Section for the Contractor in connection with the performance of work by those Sub-Contractors. Alternatively, Contractor may include any Sub-Contractors under Contractor's insurance on the coverage required in this Section. Sub-Contractor(s) shall fully comply with the insurance coverage required in this Section. Failure of Sub-Contractor(s) to comply with insurance requirements does not limit Contractor's liability or responsibility.

## **C. Certificates of Insurance and Other Requirements**

Contractor shall furnish to the Office of Acquisition Services certificate(s) of insurance verifying insurance coverage or providing satisfactory evidence of self-insurance as required in this Section (the "Certificates"). Before the Contract is signed, and not less than 20 days before the insurance expiration date every year thereafter, the Contractor shall provide evidence that the State and its agents, officers and employees are listed as additional insureds, but only to the extent of liabilities assumed by Contractor as set forth in Indemnification Section of this Contract, under each commercial general liability and commercial automobile liability policy. In the event the State approves the representation of the State by the insurer's attorney, the attorney may be required to be designated as a Special Assistant Attorney General by the Attorney General of the State of Michigan.

Contractor shall maintain all required insurance coverage throughout the term of the Contract and any extensions thereto and, in the case of claims-made Commercial General Liability policies, shall secure tail coverage for at least three (3) years following the expiration or termination for any reason of this Contract. The minimum limits of coverage specified above are not intended, and shall not be construed, to limit any liability or indemnity of Contractor under this Contract to any indemnified party or other persons. Contractor shall be responsible for all deductibles with regard to such insurance. If Contractor fails to pay any premium for required insurance as specified in this Contract, or if any insurer cancels or significantly reduces any required insurance as specified in this Contract without the State's written consent, at the State's election (but without any obligation to do so) after the State has given Contractor at least thirty (30) days written notice, the State may pay such premium or procure similar insurance coverage from another company or companies; and at the State's election, the State may deduct the entire cost (or part thereof) from any payment due Contractor, or Contractor shall pay the entire cost (or any part thereof) upon demand by the State.

### **2.508 EQUIPMENT WARRANTY RESERVED**

### **2.509 RESERVED**

## **2.6 Breach of Contract**

### **2.601 BREACH DEFINED**

Failure to comply with articles, sections, or subsections of this agreement, or making any false statement in this agreement will be considered a material breach of this agreement giving the state authority to invoke any and all remedies available to it under this agreement.

In addition to any remedies available in law and by the terms of this Contract, if the Contractor breaches Sections 2.508, 2.509, or 2.510, such a breach may be considered as a default in the performance of a material obligation of this Contract.

### **2.602 NOTICE AND THE RIGHT TO CURE**

In the event of a curable breach by the Contractor, the State shall provide the Contractor written notice of the breach and a time period to cure said breach described in the notice. This section requiring notice and an opportunity to cure shall not be applicable in the event of successive or repeated breaches of the same nature or if the State determines in its sole discretion that the breach poses a serious and imminent threat to the health or safety of any person or the imminent loss, damage or destruction of any real or tangible personal property.



## 2.603 EXCUSABLE FAILURE

1. Neither party shall be liable for any default or delay in the performance of its obligations under this Contract if and to the extent such default or delay is caused, directly or indirectly, by: fire, flood, earthquake, elements of nature or acts of God; riots, civil disorders, rebellions or revolutions in any country; the failure of the other party to perform its material responsibilities under this Contract (either itself or through another Contractor); injunctions (provided the injunction was not issued as a result of any fault or negligence of the party seeking to have its default or delay excused); or any other cause beyond the reasonable control of such party; provided the non-performing party and its sub-Contractors are without fault in causing such default or delay, and such default or delay could not have been prevented by reasonable precautions and cannot reasonably be circumvented by the non-performing party through the use of alternate sources, workaround plans or other means, including disaster recovery plans. In such event, the non-performing party will be excused from any further performance or observance of the obligation(s) so affected for as long as such circumstances prevail and such party continues to use its best efforts to recommence performance or observance whenever and to whatever extent possible without delay provided such party promptly notifies the other party in writing of the inception of the excusable failure occurrence, and also of its abatement or cessation.
2. If any of the above enumerated circumstances substantially prevent, hinder, or delay performance of the services necessary for the performance of the State's functions for more than 14 consecutive days, and the State determines that performance is not likely to be resumed within a period of time that is satisfactory to the State in its reasonable discretion, then at the State's option: (a) the State may procure the affected services from an alternate source, and the State shall not be liable for payments for the unperformed services under this Contract for so long as the delay in performance shall continue; (b) the State may cancel any portions of this Contract so affected and the charges payable hereunder shall be equitably adjusted to reflect those services canceled; or (c) this Contract will be canceled without liability of the State to the Contractor as of the date specified by the State in a written notice of cancellation to the Contractor. The Contractor will not have the right to any additional payments from the State as a result of any excusable failure occurrence or to payments for services not rendered as a result of the excusable failure condition. Defaults or delays in performance by the Contractor which are caused by acts or omissions of its sub-Contractors will not relieve the Contractor of its obligations under the Contract except to the extent that a sub-Contractor is itself subject to any excusable failure condition described above and the Contractor cannot reasonably circumvent the effect of the sub-Contractor's default or delay in performance through the use of alternate sources, workaround plans or other means.

## 2.7 Remedies

### 2.701 CANCELLATION

The State may cancel this Contract without further liability or penalty to the State, its departments, divisions, agencies, offices, commissions, officers, agents, and employees for any of the following reasons:

1. Material Breach by the Contractor. In the event that the Contractor breaches any of its material duties or obligations under this Contract, which are either not capable of or subject to being cured, or are not cured within the time period specified in the written notice of breach provided by the State, or pose a serious and imminent threat to the health and safety of any person, or the imminent loss, damage or destruction of any real or tangible personal property, the State may, having provided written notice of cancellation to the Contractor, cancel this Contract in whole or in part, for cause, as of the date specified in the notice of cancellation.

In the event that this Contract is cancelled for cause, in addition to any legal remedies otherwise available to the State by law or equity, the Contractor shall be responsible for all costs incurred by the State in canceling this Contract, including but not limited to, State administrative costs, attorneys fees and court costs, and any additional costs the State may incur to procure the services required by this Contract from other sources. All excess re-procurement costs and damages shall not be considered by the parties to be consequential, indirect or incidental, and shall not be excluded by any other terms otherwise included in this Contract.



In the event the State chooses to partially cancel this Contract for cause charges payable under this Contract will be equitably adjusted to reflect those services that are cancelled.

In the event this Contract is cancelled for cause pursuant to this section, and it is therefore determined, for any reason, that the Contractor was not in breach of Contract pursuant to the provisions of this section, that cancellation for cause shall be deemed to have been a cancellation for convenience, effective as of the same date, and the rights and obligations of the parties shall be limited to that otherwise provided in this Contract for a cancellation for convenience.

2. Cancellation For Convenience By the State. The State may cancel this Contract for its convenience, in whole or part, if the State determines that such a cancellation is in the State's best interest. Reasons for such cancellation shall be left to the sole discretion of the State and may include, but not limited to (a) the State no longer needs the services or products specified in the Contract, (b) relocation of office, program changes, changes in laws, rules, or regulations make implementation of the Contract services no longer practical or feasible, and (c) unacceptable prices for additional services requested by the State. The State may cancel this Contract for its convenience, in whole or in part, by giving the Contractor written notice 30 days prior to the date of cancellation. If the State chooses to cancel this Contract in part, the charges payable under this Contract shall be equitably adjusted to reflect those services that are cancelled.
3. Non-Appropriation. In the event that funds to enable the State to effect continued payment under this Contract are not appropriated or otherwise made available. The Contractor acknowledges that, if this Contract extends for several fiscal years, continuation of this Contract is subject to appropriation or availability of funds for this project. If funds are not appropriated or otherwise made available, the State shall have the right to cancel this Contract at the end of the last period for which funds have been appropriated or otherwise made available by giving written notice of cancellation to the Contractor. The State shall give the Contractor written notice of such non-appropriation or unavailability within 30 days after it receives notice of such non-appropriation or unavailability.
4. Criminal Conviction. In the event the Contractor, an officer of the Contractor, or an owner of a 25% or greater share of the Contractor, is convicted of a criminal offense incident to the application for or performance of a State, public or private Contract or sub-Contract; or convicted of a criminal offense including but not limited to any of the following: embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, attempting to influence a public employee to breach the ethical conduct standards for State of Michigan employees; convicted under State or federal antitrust statutes; or convicted of any other criminal offense which in the sole discretion of the State, reflects upon the Contractor's business integrity.
5. Approvals Rescinded. The State may terminate this Contract without further liability or penalty in the event any final administrative or judicial decision or adjudication disapproves a previously approved request for purchase of personal services pursuant to Constitution 1963, Article 11, section 5, and Civil Service Rule 7. Termination may be in whole or in part and may be immediate as of the date of the written notice to Contractor or may be effective as of the date stated in such written notice.

## 2.702 RIGHTS UPON CANCELLATION

**Termination Assistance.** If this Contract (or any Statement of Work issued under it) is terminated for any reason prior to completion, Contractor agrees to provide for up to six (6) months after the termination all reasonable termination assistance requested by the State to facilitate the orderly transfer of such Services to the State or its designees in a manner designed to minimize interruption and adverse effect. Such termination assistance will be deemed by the parties to be governed by the terms and conditions of this Contract (notwithstanding its termination) other than any terms or conditions that do not reasonably apply to such termination assistance. Such termination assistance shall be at no additional charge to the State if the termination is for Contractor's Default pursuant to Section 2.602; otherwise the State shall compensate Contractor for such termination assistance on a time and materials basis in accordance with the Amendment Labor Rates identified within this Contract agreement.

**2.703 RESERVED LIQUIDATED DAMAGES****2.704 RESERVED STOP WORK****2.705 RESERVED SUSPENSION OF WORK****2.8 Changes, Modifications, and Amendments****2.801 APPROVALS**

This Contract may not be modified, amended, extended, or augmented except by a writing executed by the parties hereto, and any breach or default by a party shall not be waived or released other than in writing signed by the other party.

**2.802 TIME EXTENTIONS**

Time extensions for Contract changes will depend upon the extent, if any, by which the changes cause delay in the completion of the various elements of performance as described in the statement of work. The change order granting the time extension may provide that the Contract completion date will be extended only for those specific elements related to the changed work and that the remaining Contract completion dates for all other portions of the work will not be altered. The change order also may provide an equitable readjustment of liquidated damages under the new completion schedule.

**2.803 MODIFICATION**

Acquisition Services reserves the right to modify this Contract at any time during the Contract term. Such modification may include changing the locations to be serviced, additional locations to be serviced, method or manner of performance of the work, number of days service is to be performed, addition or deletion of tasks to be performed, addition or deletion of items, and/or any other modifications deemed necessary. Any changes in pricing proposed by the Contractor resulting from the proposed changes are subject to acceptance by the State. Changes may be increases or decreases. **IN THE EVENT PRICES ARE NOT ACCEPTABLE TO THE STATE, THE CONTRACT SHALL BE SUBJECT TO COMPETITIVE BIDDING BASED UPON THE NEW SPECIFICATION.**

**The State reserves the right to add an item(s) that is not described on the item listing and is available from the Contractor.** The item(s) may be included on this Contract, only if prior written approval has been granted by Acquisition Services.

**2.804 AUDIT AND RECORDS UPON MODIFICATION**

DEFINITION: records includes books, documents, accounting procedures and practices, and other data, regardless of whether such items are in written form, electronic form, or in any other form

Contractor shall be required to submit cost or pricing data with the pricing of any modification of this Contract to the Contract Administrator in Acquisition Services. Data may include accounting records, payroll records, employee time sheets, and other information the state deems necessary to perform a fair evaluation of the modification proposal. Contract Administrator or authorized representative of the state shall have the right to examine and audit all of the Contractor's records, including computations and projections, related to:

1. The proposal for modification;
2. The discussions conducted on the proposal, including those related to negotiation;
3. Pricing of the modification; or
4. Performance of the modification.

Contractor shall make available at its office at all reasonable times the materials described in the paragraphs above.

If this Contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement.

**2.805 CHANGES**

- (a) The Contract Administrator may, at any time, without notice to the sureties, if any, by written order designated or indicated to be a change order, make changes in the work within the general scope of the Contract, including changes:
  - (1) In the specifications (including drawings and designs);
  - (2) In the method or manner of performance of the work;
  - (3) In the State-furnished facilities, equipment, materials, services, or site; or
  - (4) Directing acceleration in the performance of the work.
  
- (a) Any other written or oral order (which, as used in this paragraph (b), includes direction, instruction, interpretation, or determination) from the Contract Administrator that causes a change shall be treated as a change order under this clause; Provided, that the Contractor gives the Contract Administrator written notice stating:
  - (1) The date, circumstances, and source of the order; and
  - (2) That the Contractor regards the order as a change order.
  
- (b) Except as provided in this clause, no order, statement, or conduct of the Contract Administrator shall be treated as a change under this clause or entitle the Contractor to an equitable adjustment.



**PRICING SHEET**  
**MDPH – Laboratory Supplies/Test Kits**

Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
1	495-38-10-1100	Media, Plated, Bordet Gengou Blood Agar  Brand: <b>REMEL INC.</b>  Product/Order #: <b>01240</b>  # Pkg: <b>PK OF 10</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Pkg	36	\$ <b>11.80</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	\$ <b>1,274.40</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
2	495-38-10-1105	Media, Plated, Bordet Gengou Blood Agar w/Methicillin  Brand: <b>REMEL INC.</b>  Product/Order #: <b>01242</b>  # Pkg: <b>PK OF 10</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Pkg	36	\$ <b>10.50</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	\$ <b>1,134.00</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
3	115-19	BHI Supplemented Agar Plates  Brand: <b>REMEL INC.</b>  Product/Order #: <b>01158</b>  # Pkg: <b>PK OF 10</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Pkg	72	\$ <b>10.90</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	\$ <b>2,354.40</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
4	495-38-10-1110	Media, Plated, Buffered Charcoal Yeast Extract Agar w/PAC  Brand: <b>REMEL INC.</b>  Product/Order #: <b>01339</b>  # Pkg: <b>PK OF 10</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Pkg	27	\$ <b>9.15</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	\$ <b>741.15</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
5	495-38-10-1032	Media, Plated, Campylobacter Blood Agar w/5 Antimicrobics Brand: <b>REMEL INC.</b> Product/Order #: <b>01280</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	192	\$ <b>4.06</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$ <b>2,338.56</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
6	495-38-10-1120	Media, Plated, Chocolate Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01302</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	80	\$ <b>19.80</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$ <b>4,752.00</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
7	115-19-49	Media, Plated, Columbia Blood Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01215</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	30	\$ <b>2.70</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$ <b>243.00</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
8	115-19-50-1305	Media, Plated, Columbia CNA w/5% Sheep Blood Brand: <b>REMEL INC.</b> Product/Order #: <b>01320</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	40	\$ <b>2.29</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$ <b>274.80</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
9	115-19-49-3651	Media, Plated, GC Susceptibility Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>04030</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	130	<b>\$6.45</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$2,515.50</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
10	115-19-50-3756	Media, Plated, Hektoen Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01480</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	140	<b>\$3.74</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$1,570.80</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
11	115-19-49-4428	Media, Plated, MacConkey Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01552</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	40	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$19.80</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$2,376.00</b> Per/Case
12	115-19-49-4501	Media, Plated, MacConkey Agar with Sorbitol Brand: <b>REMEL INC.</b> Product/Order #: <b>SEE BELOW</b> # Pkg: <b>01556 PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: <b>01561 CS OF 100</b>	Pkg	140	<b>\$4.68</b> Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$46.80</b> Per/Case	<b>\$1,965.60</b> Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$19,656.00</b> Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
13	115-19-49-4840	Media, Plated, Mueller Hinton Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>04050</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	52	<b>\$5.41</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$843.96</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
14	115-19-49-5102	Media, Plated, Nocardia Quad Medium Brand: <b>REMEL INC.</b> Product/Order #: <b>02462</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkgs	25	<b>\$37.40</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$2,805.00</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
15	115-19-49-8411	Media, Plated, Trypticase Soy Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01917</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	50	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$19.80</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$2,970.00</b> Per/Case
16	115-19-49-8429	Media, Plated, Trypticase Soy Agar w/5% sheep blood Brand: <b>REMEL INC.</b> Product/Order #: <b>01202</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	180	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$19.80</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$10,692.00</b> Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
17	115-19-49-9807	Media, Plated, Yersinia Agar, 10/pkg Brand: <b>REMEL INC.</b> Product/Order #: <b>01998</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkgs	32	\$8.11 Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$778.56 Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
18	495-38-10-1004	Media, Tubed, Slants, Acetate Differential Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>060022</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	40	\$ _____ Per/Pkg <b>\$16.22</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$1,946.40</b> Pr/Bx/Ctn \$ _____ Per/Case
19	115-19-49-0756	Slants, Bile Esculin Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>060294</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	8	\$ _____ Per/Pkg <b>\$9.80</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$235.20</b> Pr/Bx/Ctn \$ _____ Per/Case
20	119-19-49-1002	Media, Tubed, Slants, Cetrimide Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>060472</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	16	\$ _____ Per/Pkg <b>\$13.94</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$669.12</b> Pr/Bx/Ctn \$ _____ Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
21	119-19-49-1275	Media, Tubed, Slants, Chocolate Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>08240</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	50	\$ _____ Per/Pkg  <b>\$10.60</b> Pr/Bx/Ctn  \$ _____ Per/Case	\$ _____ Per/Pkg  <b>\$1,590.00</b> Pr/Bx/Ctn  \$ _____ Per/Case
22	115-19-49-2455	Media, Tubed, Slants, Esculin Hydrolysis Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>060876</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	8	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$38.00</b> Per/Case	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$912.00</b> Per/Case
23	115-19-49-3552	Media, Tubed, Slants, Heart Infusion Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>061010</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	12	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$119.00</b> Per/Case	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$4,284.00</b> Per/Case
24	495-28-10-1025	Media, Tubed, Slants, Loeffler Blood Serum Brand: <b>REMEL INC.</b> Product/Order #: <b>061288</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	8	\$ _____ Per/Pkg  <b>\$16.22</b> Pr/Bx/Ctn  \$ _____ Per/Case	\$ _____ Per/Pkg  <b>\$389.28</b> Pr/Bx/Ctn  \$ _____ Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
25	495-38-10-1025	Media, Tubed, Slants, Lowenstein Jenson Brand: <b>REMEL INC.</b> Product/Order #: <b>08500</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	180	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$58.00</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$31,320.00</b> Per/Case
26	115-19-49-4220	Media, Tubed, Slants, Lowenstein Jenson, Iron Uptake Brand: <b>REMEL INC.</b> Product/Order #: <b>08526</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	24	\$ _____ Per/Pkg <b>\$13.32</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$959.04</b> Pr/Bx/Ctn \$ _____ Per/Case
27	495-38-10-2002	Media, Tubed, Slants, Lowenstein Jenson w/Sodium Chloride Brand: <b>REMEL INC.</b> Product/Order #: <b>08518</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	120	\$ _____ Per/Pkg <b>\$13.60</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$4,896.00</b> Pr/Bx/Ctn \$ _____ Per/Case
28	115-19-49-4709	Media, Tubed, Slants, Mitchison Selective 7H11 Brand: <b>REMEL INC.</b> Product/Order #: <b>08574</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Pkg	110	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$84.20</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$27,786.00</b> Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
29	115-19-49-5151	Media, Tubed, Slants, Nutrient Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>061572</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	4	\$ _____ Per/Pkg <b>\$9.78</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$117.36</b> Pr/Bx/Ctn \$ _____ Per/Case
30	115-19-49-7090	Media, Tubed, Slants, Phenylalanine Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>062182</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	20	\$ _____ Per/Pkg <b>\$9.78</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$586.80</b> Pr/Bx/Ctn \$ _____ Per/Case
31	115-19-49-7207	Media, Tubed, Slants, Plate Count Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>062600</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	20	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$48.90</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$2,934.00</b> Per/Case
32	115-19-49-7181	Media, Tubed, Slants, Pseudomonas F Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>062632</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkgs	15	\$ _____ Per/Pkg <b>\$11.86</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$533.70</b> Pr/Bx/Ctn \$ _____ Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
33	115-19-49-1157	Media, Tubed, Slants, Pseudomonas P Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>062638</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	15	\$ _____ Per/Pkg  <b>\$41.40</b> Pr/Bx/Ctn  \$ _____ Per/Case	\$ _____ Per/Pkg  <b>\$1,863.00</b> Pr/Bx/Ctn  \$ _____ Per/Case
34	115-19-49-7603	Media, Tubed, Slants, Potassium Nitrate Assimilation Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>07774</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Box	6	\$ _____ Per/Pkg  <b>\$18.30</b> Pr/Bx/Ctn  \$ _____ Per/Case	\$ _____ Per/Pkg  <b>\$329.40</b> Pr/Bx/Ctn  \$ _____ Per/Case
35	115-19	Media, Tubed, Slants, Simmons Citrate Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>060494</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	12	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$48.90</b> Per/Case	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$1,760.40</b> Per/Case
36	115-19-49-9450	Media, Tubed, Slants, Urea Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>065210</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	36	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$54.10</b> Per/Case	\$ _____ Per/Pkg  \$ _____ Pr/Bx/Ctn  <b>\$5,842.80</b> Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
37	115-19	Middlebrook 7H9, w/tween 80 Brand: <b>REMEL INC.</b> Product/Order #: <b>09556</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	50	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$99.80</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$14,970.00</b> Per/Case
38	115-19-49-3693	Media, Tubed, Broth, GN Brand: <b>REMEL INC.</b> Product/Order #: <b>08382</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	18	\$ _____ Per/Pkg <b>\$10.60</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$572.40</b> Pr/Bx/Ctn \$ _____ Per/Case
39	115-19-49-3560	Media, Tubed, Broth, Heart Infusion Broth Brand: <b>REMEL INC.</b> Product/Order #: <b>061030</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Pkg	16	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$119.00</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$5,712.00</b> Per/Case
40	115-19-49-4659	Media, Tubed, Broth, Middlebrook Enrichment – ADC Brand: <b>REMEL INC.</b> Product/Order #: <b>450592</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Box	20	<b>\$91.50</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$5,490.00</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
41	115-19-49-5003	Media, Tubed, Broth, Nitrite Broth Brand: <b>REMEL INC.</b> Product/Order #: <b>061552</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	24	\$ _____ Per/Pkg <b>\$16.22</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$1,167.84</b> Pr/Bx/Ctn \$ _____ Per/Case
42	115-19-49-5029	Media, Tubed, Broth, Nitrate Broth Brand: <b>REMEL INC.</b> Product/Order #: <b>061536</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	48	\$ _____ Per/Pkg <b>\$11.86</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$1,707.84</b> Pr/Bx/Ctn \$ _____ Per/Case
42	495-38-10-1030	Media, Tubed, Deeps, Lowenstein Jensen Brand: <b>REMEL INC.</b> Product/Order #: <b>09512</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	120	\$ _____ Per/Pkg <b>\$14.40</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$5,184.00</b> Pr/Bx/Ctn \$ _____ Per/Case
43	495-38-10	Media, Tubed, Broth, Pyruvate Broth Brand: <b>REMEL INC.</b> Product/Order #: <b>063042</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	8	\$ _____ Per/Pkg <b>\$16.22</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$389.28</b> Pr/Bx/Ctn \$ _____ Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
44	115-19-49-7884	Media, Tubed, Broth, Tetrathionate Brand: <b>REMEL INC.</b> Product/Order #: <b>07160</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>	Case	8	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$161.20</b> Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn <b>\$3,868.80</b> Per/Case
45	115-19	Reagent, Bottle, Iodine for Tetrathionate Hazardous Material, \$20.00 charge per shipment. Brand: <b>REMEL INC.</b> Product/Order #: <b>114350</b> # Pkg: <b>100ml BTL</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Bottle	4	<b>\$34.05</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$408.60</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
46	115-19	Media, Tubed, Slants, Blood Agar, TSA w/5% sheep blood Brand: <b>REMEL INC.</b> Product/Order #: <b>060312</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	24	\$ _____ Per/Pkg <b>\$12.90</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$928.80</b> Pr/Bx/Ctn \$ _____ Per/Case
47	115-19	Agar, Anaerobe blood Brand: <b>REMEL INC.</b> Product/Order #: <b>01040</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	18	<b>\$4.16</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$224.64</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
48	115-19	Agar, Anaerobe blood w/PEA (CDC Formula) Brand: <b>REMEL INC.</b> Product/Order #: <b>01048</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	12	<b>\$4.16</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$149.76</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
49	115-19	Agar, Anaerobe blood w/KV (CDC Formula) Brand: <b>REMEL INC.</b> Product/Order #: <b>01042</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	12	<b>\$4.16</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$149.76</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
50	115-19	Agar, Trypticase Soy w/5% sheep blood Brand: <b>REMEL INC.</b> Product/Order #: <b>01201</b> # Pkg: <b>PK OF 15</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	225	<b>\$2.97</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$2,004.75</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
51	115-19-49-4436	Plates, MacConkey agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01550</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	60	<b>\$1.98</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$356.40</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
52	115-19-49-1317	Slants, Chocolate Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>060482</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	2	\$ _____ Per/Pkg <b>\$10.60</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$63.60</b> Pr/Bx/Ctn \$ _____ Per/Case
53	115-19-49-1325	Plates, Chocolate Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>01300</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	60	<b>\$1.98</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$356.40</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
54	115-19-49-0764	Slants, Bile Esculin Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>SEE BELOW</b> # Pkg: _____ # Pkg/Box/Ctn: <b>060294 PK OF 20</b> # Pkg/Case: <b>060292 CS OF 100</b>	Pkg	4	\$ _____ Per/Pkg <b>\$9.80</b> Pr/Bx/Ctn <b>\$49.00</b> Per/Case	\$ _____ Per/Pkg <b>\$117.60</b> Pr/Bx/Ctn <b>\$588.00</b> Per/Case
56	115-19-49-2463	Slants, Esculin Hydrolysis Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>060878</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b>	Pkg	3	\$ _____ Per/Pkg <b>\$10.82</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$97.38</b> Pr/Bx/Ctn \$ _____ Per/Case
57	115-19	Slants, Nutrient Agar Brand: <b>REMEL INC.</b>	Case	8	\$ _____ Per/Pkg \$ _____	\$ _____ Per/Pkg \$ _____



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		Product/Order #: <b>061570</b> # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: <b>CS OF 100</b>			Pr/Bx/Ctn <b>\$48.90</b> Per/Case	Pr/Bx/Ctn <b>\$1,173.60</b> Per/Case
58	115-19	Slants, Urea Agar Brand: <b>REMEL INC.</b> Product/Order #: <b>065212</b> # Pkg: _____ # Pkg/Box/Ctn: <b>PK OF 20</b> # Pkg/Case: _____	Pkg	15	\$ _____ Per/Pkg <b>\$10.82</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$486.90</b> Pr/Bx/Ctn \$ _____ Per/Case
59	115-19	Disks, Bacitracin Differentiation, 50 x5 Brand: <b>REMEL INC.</b> Product/Order #: <b>34759</b> # Pkg: <b>PK OF 5 x 50</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	2	<b>\$34.13</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$204.78</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
60	115-19	Agar, Mueller Hinton w/blood Brand: <b>REMEL INC.</b> Product/Order #: <b>01622</b> # Pkg: <b>PK OF 10</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	3	<b>\$4.26</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$38.34</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
61	115-19-49-7892	Tubes, Tetrathionate Broth Brand: <b>REMEL INC.</b> Product/Order #: <b>07162</b> # Pkg: _____	Pkg	5	\$ _____ Per/Pkg <b>\$32.24</b> Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg <b>\$483.60</b> Pr/Bx/Ctn \$ _____ Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		# Pkg/Box/Ctn: <b>07162</b> # Pkg/Case: _____				
62	115-19	Solution, Iodine, for tetrathionate Broth, 4.5 l/bottle Hazardous Material, \$20.00 charge per shipment. Brand: <b>REMEL INC.</b>  Product/Order #: <b>21228</b>  # Pkg: <b>4.5 ml BTL</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Bottle	4	<b>\$9.83</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	<b>\$117.96</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
63	115-19	Campy micro-aerophilic generators-waterless  Brand: <b>mitsubishi</b>  Product/Order #: <b>681005</b>  # Pkg: <b>PK OF 20</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Pkg	4	<b>\$40.90</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	<b>\$490.80</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
64	115-19	Reagent Bactidrop xidase, 0.75/ampule  Brand: <b>REMEL INC.</b>  Product/Order #: <b>21540</b>  # Pkg: <b>PK OF 50</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Pkg	2	<b>\$54.32</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	<b>\$325.92</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case
65	115-19	Test Kit, BactiStaph Latex Hazardous Material, \$20.00 charge per shipment. Brand: <b>REMEL INC.</b>  Product/Order #: <b>21144</b>  # Pkg: <b>KIT OF 150</b>  # Pkg/Box/Ctn: _____  # Pkg/Case: _____	Kit	2	<b>\$103.25</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case	<b>\$619.50</b> Per/Pkg  \$ _____ Pr/Bx/Ctn  \$ _____ Per/Case



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
66	115-19	Media, E-Test, Oxacillin Brand: <b><u>NO BID</u></b> Product/Order #: _____ # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	3	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
67	115-19	Media, E-Test, Vancomycin Brand: <b><u>NO BID</u></b> Product/Order #: _____ # Pkg: _____ # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	3	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
68	115-19	Test, Disks, Hippurate Differentiation Brand: <b><u>REMEL INC.</u></b> Product/Order #: <b><u>21085</u></b> # Pkg: <b><u>VL OF 25</u></b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Vial	2	<b><u>\$41.43</u></b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b><u>\$248.58</u></b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
69	115-19	Test, Disks, LAP Differentiation Brand: <b><u>REMEL INC.</u></b> Product/Order #: <b><u>30168501</u></b> # Pkg: <b><u>KIT OF 50</u></b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Vial	2	<b><u>\$46.73</u></b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b><u>\$280.38</u></b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
70	115-19	Test, Disks, PYR/Esulin	Vial	2	<b><u>\$43.00</u></b> Per/Pkg	<b><u>\$258.00</u></b> Per/Pkg



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		Brand: <b>REMEL INC.</b> Product/Order #: <b>30854301</b> # Pkg: <b>KIT OF 50</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____			\$ _____ Pr/Bx/Ctn \$ _____ Per/Case	\$ _____ Pr/Bx/Ctn \$ _____ Per/Case
71	115-19	Reagent, Methyl Red 25 ml Brand: <b>REMEL INC.</b> Product/Order #: <b>21236</b> # Pkg: <b>25ml BTL</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Each	2	<b>\$17.76</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$106.56</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
72	115-19	Reagent, Ninhydrin, 25ml Hazardous Material, \$20.00 charge per shipment. Brand: <b>REMEL INC.</b> Product/Order #: <b>21238</b> # Pkg: <b>25ml BTL</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Each	3	<b>\$25.15</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$226.35</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
73	115-19	Test Kit, PathoDx Strep Grouping Brand: <b>REMEL INC.</b> Product/Order #: <b>62076</b> # Pkg: <b>KIT OF 60</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Kit	2	<b>\$82.76</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$496.56</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
74	115-19	Reagent, PYR, 25ml Hazardous Material, \$20.00 charge per shipment. Brand: <b>REMEL INC.</b> Product/Order #: <b>21258</b>	Each	6	<b>\$24.38</b> Per/Pkg \$ _____ Pr/Bx/Ctn	<b>\$438.84</b> Per/Pkg \$ _____ Pr/Bx/Ctn



Item #	Product #	Product Description	Unit	Est Annual Volume	Unit Price pkg/ctn/case/box	X 3 years
		# Pkg: <b>25ml BTL</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____			\$ _____ Per/Case	\$ _____ Per/Case
75	115-19	Test, Coagulase Plasma, Rabbit, Lyophilized, 6x15ml Brand: <b>REMEL INC.</b> Product/Order #: <b>21060</b> # Pkg: <b>PK OF 6 x 5ml</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Each	1	<b>\$48.39</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$145.17</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
76	115-19	Test Kit, Ecoli 0157 Latex Brand: <b>REMEL INC.</b> Product/Order #: <b>24250</b> # Pkg: <b>KIT OF 50</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Kit	2	<b>\$104.79</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$628.74</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case
77	115-19	Test Kit, Anaerobic Gas Generating Brand: <b>MITSUBISHI</b> Product/Order #: <b>681007</b> # Pkg: <b>PK OF 20</b> # Pkg/Box/Ctn: _____ # Pkg/Case: _____	Pkg	2	<b>\$40.90</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case	<b>\$245.40</b> Per/Pkg \$ _____ Pr/Bx/Ctn \$ _____ Per/Case

**MINIMUM ORDER**

If the bidder requires a minimum order, indicate that minimum below:

**\$ 100.00**

Also, please indicate any additional charge (handling fee) to be applicable to orders which fall below the bidder's minimum order requirement indicated immediately above; **FREIGHT WILL BE PREPAID AND ADDED TO THE**



**INVOICE. REMEL'S CURRENT FREIGHT IS MINIMUM \$29.75 PER SHIPMENT. FREIGHT IS DETERMINED BY WEIGHT PER SHIPMENT.**

**Delivery Locations:**

Michigan Department of Community Health  
Attn. Mark Warstler  
Stockroom  
927 Terminal Road  
Lansing, MI 48909  
Telephone: (517) 335-9039

\*Michigan Department of Community Health  
Attn. Robbie Bushie/Pat Wheeler  
Houghton Branch Laboratory  
MTU Annex Building, Cliff Drive  
Houghton, MI 49931  
Telephone: (906) 482-3011

\*Location moving in December of 2004, upon award vendor will be notified of new delivery address.

**\*PLEASE NOTE: - AN ADDITIONAL HANDLING FEE WILL BE PROCESSED FOR SHIPMENTS REQUIRING SPECIAL INSTRUCTIONS OR SHIPPING FREIGHT COLLECT. REMEL'S CURRENT SPECIAL HANDLING FEE IS \$20.00 PER SHIPMENT REQUIRING SPECIAL INSTRUCTIONS OR SHIPPING FREIGHT COLLECT.**



**MDCH – LAB SUPPLIES/TEST KITS**  
**ITEM SPECIFICATIONS**

**Bordet Gengou Blood Agar - Plates**

1. The medium must have a minimum of 4 weeks remaining before the expiration date when received at the scheduled delivery location.
2. The petri plate (15x100 mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, blood clots, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade aerobically for 96 hours shall show no evidence of contamination.
4. The pH of each lot of medium must be within  $\pm$  0.2 of each other at 25 degrees centigrade.
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of Bordetella pertussis (small, domed, smooth, transparent and glistening colonies) when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 72 hours at 34 - 36 degrees centigrade aerobically.



**Bordet Gengou Blood Agar with Methicillin - Plates**

1. The medium must have a minimum of 4 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (15x100 mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, blood clots, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade aerobically for 96 hours shall show no evidence of contamination.
  4. The pH of each lot of medium must be within  $\pm$  0.2 of each other at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Bordetella pertussis (small, domed, smooth, transparent and glistening colonies) when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 72 hours at 34 - 36 degrees centigrade aerobically.
    - B. Partial to complete inhibition of Streptococcus pyogenes when using a standardized inoculum (10.0 uL of a 0.5 McFarland Standard, diluted 1:10) that would yield a countable number of colonies greater than 100, within the same specified incubation period. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of this organism.
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**Buffered Charcoal Yeast Extract Agar with Polymyxin B, Anisomycin, and Cefamandole - (BCYE w/PAC) - Plates**

1. The medium must have a minimum of 4 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (100x15mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate (charcoal must be evenly distributed), agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade in 3-9% CO<sub>2</sub> for 72 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 6.9  $\pm$  0.1 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Legionella pneumophila (variable size colonies with variable color from colorless to a iridescent blue or pink and are round and flat with entire edge, may be translucent or speckled) when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 72 hours at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub>.
    - B. Partial to complete inhibition of Escherichia coli, Staphylococcus aureus, and Candida albicans when using a standardized inoculum (10.0 uL of a 0.5 McFarland Standard, diluted 1:10) that would yield a countable number of colonies greater than 100, within the same specified incubation period. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
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**Campylobacter Blood Agar w/5 Antimicrobics & 10% Sheep Blood - Plates**

1. The medium must have a minimum of 4 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (100x15mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, blood clots, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 40 - 44 degrees centigrade in 8 - 10% CO<sub>2</sub> for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.2  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Campylobacter jejuni (smooth, 1 mm, round, slightly raised, colorless to grayish-white, mucoid and slightly translucent) when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 48 hours at 40 - 44 degrees centigrade in 8 - 10% CO<sub>2</sub>.
    - B. Partial to complete inhibition of Escherichia coli, Enterococcus faecalis and Proteus mirabilis when using a standardized inoculum (10.0 uL of a 0.5 McFarland Standard, diluted 1:10) that would yield a countable number of colonies greater than 100, within the same specified incubation period. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
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### **Chocolate Agar - Plates**

1. The medium must have a minimum of 6 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (100x15mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, hemoglobin particles, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub> for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.2  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Haemophilus influenzae (grayish, semi-opaque, smooth, flat, convex with an entire edge) and Neisseria gonorrhoea (0.5 -1.0 mm in diameter and appear gray to white, opaque, raised and glistening) when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34 - 36 degrees centigrade in 3 - 5% CO<sub>2</sub>.
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Columbia Blood Agar - Plates

1. The medium must have a minimum of 5 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (100x15mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, blood clots, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade aerobically & anaerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.3  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Streptococcus pyogenes when using a standard inoculum (1.0 uL of a 0.5 McFarland, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub>.
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**Columbia CNA Agar with 5% Sheep Blood - Plates**

1. The medium must have a minimum of 5 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (100x15mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, blood clots, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade aerobically & anaerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.3  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Streptococcus pyogenes when using a standard inoculum (1.0 uL of a 0.5 McFarland, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub>.
    - B. Partial to complete inhibition of Proteus mirabilis when using a standardized inoculum (10.0 uL of a 0.5 McFarland, diluted 1:10) that would yield a countable number of colonies greater than 100, within the same specified incubation period. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
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**GC Susceptibility Agar Plates**

1. The medium must have a minimum of 4 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (15X100mm) must contain an adequate quantity of medium (60mL  $\pm$  1.8 mL - 4mm thick) that is homogeneous in appearance, i.e., free of precipitate,, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC in 3-9% CO<sub>2</sub> for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.2  $\pm$  0.2 @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Neisseria gonorrhoeae* when using a standard inoculum (1  $\mu$ L of a 0.5 McFarland Standard, diluted 1:100) and will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34-36EC in 3-9% CO<sub>2</sub>
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### Hektoen Agar - Plates

1. The medium must have a minimum of 6 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (100x15mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within  $7.4 \pm 0.2$  at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Proteus mirabilis, Salmonella typhimurium, and Shigella sonnei, when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34 - 36 degrees centigrade aerobically. The swarming of Proteus mirabilis must be inhibited.
    - B. Partial to complete inhibition of Escherichia coli and complete inhibition of Enterococcus faecalis when using a standardized inoculum (10.0 uL of a 0.5 McFarland Standard, diluted 1:10) that would yield a countable number of colonies greater than 100, within the same specified incubation period. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
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**MacConkey Agar - Plates**

1. The medium must have a minimum of 6 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (100x15mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.1  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Proteus mirabilis, Salmonella typhimurium, Escherichia coli and Shigella sonnei, when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34 - 36 degrees centigrade aerobically. The swarming of Proteus mirabilis must be inhibited.
    - B. Partial to complete inhibition of Enterococcus faecalis when using a standardized inoculum (10.0 uL of a 0.5 McFarland Standard, diluted 1:10) that would yield a countable number of colonies greater than 100, within the same specified incubation period. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of this organism.
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### MacConkey Sorbitol Agar - Plates

1. The medium must have a minimum of 6 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (100 X 15mm) must contain an adequate quantity of medium (20mL  $\pm$  0.6 mL- 3 mm thick) that is homogeneous in appearance, i.e., free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within  $7.1 \pm 0.2$  @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Escherichia coli* and *Escherichia coli* Serotype O157:H7 when using a standard inoculum (1  $\mu$ L of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34-36EC aerobically.

*Escherichia coli* must have a mature colony morphology with colonies that are colorless.

*Escherichia coli* Serotype O157:H7 must have a mature colony morphology with colonies that are pink in color.
    - B. Partial to complete inhibition of *Enterococcus faecalis* when using a standardized inoculum (10.0  $\mu$ L of a 0.5 McFarland Standard diluted 1:10) that would yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
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**Mueller Hinton Agar - Plates**

1. The medium must have a minimum of 4 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (150x15mm) must contain an adequate quantity of medium (60 mL  $\pm$  1.8 mL - 4 mm thick) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade aerobically, for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.3  $\pm$  0.1 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Zone sizes must fall into the ranges of acceptable zone diameter quality control limits specified by the NCCLS Document M2-A5, Performance Standard for Antimicrobial Disk Susceptibility Tests, 5th. ed.; Approved Standard for the following organisms: Staphylococcus aureus - 25923, Escherichia coli - 25922, Pseudomonas aeruginosa - 27853, after incubation for 18 hours at 34 - 36 degrees centigrade, aerobically.
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**Nocardia Medium Quad\* - Plates**

(\*Xanthine, Casein, Tyrosine and Starch Agar)

1. The medium must have a minimum of 2 months remaining before the expiration date when received at the scheduled delivery location.
2. The petri plate (15 X 100mm) must contain an adequate quantity of medium (20 ± 0.6 mL - 3mm) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. Each quadrant must be of a uniform fill volume.
3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 25-37 EC aerobically for 3 weeks shall show no evidence of contamination.
4. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of *Nocardia asteroides* and *Streptomyces* sp. when using a standard inoculum (stock) and will yield more than one-hundred colony forming units within the specified incubation period(3weeks)at 25 - 37EC aerobically.

*Streptomyces* sp. - growth of colonies exhibiting a tanto gray pigmentation and demonstrating hydrolysis around or directly beneath the colony.

*Nocardia asteroides* - growth of colonies exhibiting an orange pigmentation with no hydrolysis of the medium.



**Trypticase Soy Agar - Plates**

1. The medium must have a minimum of 6 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate(15 X 100mm or equivalent) must contain an adequate quantity of medium ( $20 \pm 0.6\text{mL}$ -3mm thick) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within  $7.3 \pm 0.2$  @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Streptococcus pyogenes* when using a standard inoculum (1  $\mu\text{L}$  of a 0.5 McFarland diluted 1:100) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
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**Trypticase Soy Agar w/5% Sheep Blood - Plates**

1. The medium must have a minimum of 6 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (100x15mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, blood clots, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade in 3 - 5% CO<sub>2</sub> for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.3  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Streptococcus pyogenes and Streptococcus pneumoniae when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34 - 36 degrees centigrade in 3 - 5% CO<sub>2</sub>.
    - B. Satisfactory test results that assure proper sheep blood cell activity with the C.A.M.P. reaction.
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**Yersinia Selective Agar - Plates**

1. The medium must have a minimum of 6 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate(15 X 100 mm or equivalent) must contain an adequate quantity of medium (20mL  $\pm$  0.3mL-3mm thick) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 23-25EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.4  $\pm$  0.2 @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Yersenia enterocolitica*, exhibiting translucent colonies with pink centers when using a standard inoculum (1  $\mu$ L of a 0.5 McFarland Standard diluted 1:100) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 23-25EC aerobically.
    - B. Partial to complete inhibition of *Escherichia coli* and *Enterococcus faecalis* when using a standardized inoculum(10.0  $\mu$ L of a 0.5 McFarland Standard diluted 1:10)that would yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 23-25EC aerobically. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
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**Acetate Differential Agar - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes (15 X 103 mm or equivalent) must contain an adequate quantity of medium (7mL  $\pm$  0.3mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 6.7  $\pm$  0.2 @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Escherichia coli*(that demonstrates a change in the pH indicator from greenish - blue to a deep prussian blue)when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
    - B. Growth characteristic of *Shigella sonnei* (that demonstrates no color change on the slant) when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
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**Bile Esculin Agar - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7mL  $\pm$  0.3mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 6.8  $\pm$  0.2 @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Enterococcus faecalis*(that exhibits blacking around colonies)when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
    - B. Partial to complete inhibition of *Streptococcus pyogenes* when using a standardized inoculum (10.0  $\mu$ L of a 0.5 McFarland Standard) that would yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
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**Cetrimide Agar - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7mL  $\pm$  0.3mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.2  $\pm$  0.2 @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Pseudomonas aeruginosa* (that exhibits green pigmentation surrounding growth)when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
    - B. Partial to complete inhibition of *Pseudomonas paucimobilis* when using a standardized inoculum (10.0  $\mu$ L of a 0.5 McFarland Standard)that would yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
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### Chocolate Agar - Slants

1. The medium must have a minimum of 7 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes (20 x 148 mm or equivalent) must contain an adequate quantity of medium (9 mL  $\pm$  0.3 mL) that is homogeneous in appearance, i.e. free of precipitate, hemoglobin particles, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The butt and slant length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub> for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.2  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Haemophilus influenzae, and Neisseria gonorrhoea when using a standard inoculum (10.0 uL of a 0.5 McFarland Standard) within the specified incubation period of 24 hours at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub>.
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**Esculin Agar - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes (15 X 103 mm or equivalent) must contain an adequate quantity of medium (7mL  $\pm$  0.3mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.0  $\pm$  0.2 @25EC
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of *Pseudomonas paucimobilitis* when using a standard inoculum (10 $\mu$ L of a 0.5 McFarland Standard) and will yield more than one-hundred colony forming units within the specified incubation period of 42 hours at 34-36EC aerobically.

*Pseudomonas paucimobilitis* - Following incubation, growth turns the medium brownish-black.



### Heart Infusion Agar - Slants

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  0.3mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.4  $\pm$  0.2 @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Streptococcus pyogenes* when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
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### Loeffler Blood Serum - Slants

1. The medium must have a minimum of 7 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes (16 x 100 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  0.3 mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The butt and slant length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.6  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Corynebacterium diphtheria, and Pseudomonas aeruginosa when using a standard inoculum (0.05 mL of a 0.5 McFarland Standard) within the specified incubation period of 24 hours at 34 - 36 degrees centigrade aerobically.
    - B. Pseudomonas aeruginosa will demonstrate proteolysis of the test medium.
    - C. Microscopic examination of the Corynebacterium diphtheria with methylene blue stain should demonstrate metachromatic granules.
-

**Lowenstein Jensen - Slants**

1. The medium must have a minimum of 9 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes (20 x 112 mm or equivalent) must contain an adequate quantity of medium (9 mL  $\pm$  0.3 mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles (5% or less of tubes), pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub> for 4 weeks shall show no evidence of contamination.
  4. The pH of the medium must be within 7.0  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Mycobacterium tuberculosis, and at least two other Mycobacterium spp. when using a standard inoculum (0.05 mL of a 0.5 McFarland standard that will consistently yield greater than 100 CFU) within the specified incubation period of 4 weeks at 34-36 degrees centigrade in 3-9% CO<sub>2</sub>.
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**Lowenstein Jensen Iron Uptake - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes (20 x 112 mm or equivalent) must contain an adequate quantity of medium (9 mL  $\pm$  0.3 mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles (5% or less of tubes), pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub> for 4 weeks shall show no evidence of contamination.
4. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of Mycobacterium fortuitum and Mycobacterium gordonae when using a standard inoculum (0.05 mL of a 0.5 McFarland standard that will consistently yield greater than 100 CFU) within the specified incubation period of 14 days at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub>.

Mycobacterium fortuitum must have mature colonial morphology and a deep brown color.

Mycobacterium gordonae must have mature colonial morphology and no brown color.



**Lowenstein Jensen w/Sodium Chloride - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes (20 x 112 mm or equivalent) must contain an adequate quantity of medium (9 mL  $\pm$  0.3 mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles (5% or less of tubes), pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub> for 4 weeks shall show no evidence of contamination.
  4. The pH of the medium must be within 7.0  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Mycobacterium fortuitum when using a standard inoculum (0.05 mL of a 0.5 McFarland standard that will consistently yield greater than 100 CFU) within the specified incubation period of 4 weeks at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub>.
    - B. Complete inhibition of Mycobacterium tuberculosis when using a standard inoculum (0.05 mL of a dilution equal to a 0.5 McFarland standard) that would yield a countable number of colonies greater than 100, within the same specified incubation period.
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**Mitchison Selective 7H11 Agar - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes (20 x 112 mm or equivalent) must contain an adequate quantity of medium (9 mL  $\pm$  0.3 mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles (5% or less of tubes), pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub> for 4 weeks shall show no evidence of contamination.
  4. The pH of the medium must be within 6.6  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Mycobacterium tuberculosis, Mycobacterium kansasii, Mycobacterium scrofulaceum, Mycobacterium intracellulare and Mycobacterium fortuitum when using a standard inoculum (0.05 mL of a 0.5 McFarland standard that will consistently yield greater than 100 CFU) within the specified incubation period of 4 weeks at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub>.
    - B. Complete inhibition of organisms such as Aspergillus niger, Streptococcus viridans, and Escherichia coli when using a standard inoculum (0.05 mL of a dilution equal to a 0.5 McFarland standard) that would yield a countable number of colonies greater than 100, within the same specified incubation period.
-

**Nutrient Agar - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  0.3mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 6.8  $\pm$  0.2 @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Escherichia coli* when using a standard inoculum (stock culture) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
-



Phenylalanine Agar - Slants

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  0.3 mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.3  $\pm$  0.2 @25EC
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of *Escherichia coli* and *Proteus vulgaris* when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically. Upon addition of 12% Ferric Chloride the following reactions must occur.

*Proteus vulgaris* - the development of a green color within 1 to 5 minutes

*Escherichia coli* - no color development



**Plate Count Agar - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  0.3mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.0  $\pm$  0.2 @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Streptococcus pyogenes* when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
-



**Pseudomonas Agar F - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  0.3mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.2  $\pm$  0.2 @25EC
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of *Pseudomonas aeruginosa* and *Escherichia coli* when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard)and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.  
  
*Pseudomonas aeruginosa* - should exhibit mature growth and colony morphology and produce a greenish-yellow pigment  
  
*Escherichia coli* - should exhibit mature growth and colony morphology and should not produce a pigment



**Pseudomonas Agar P - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  0.3mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.2  $\pm$  0.2 @25EC
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of *Pseudomonas aeruginosa* and *Escherichia coli* when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard)and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.

*Pseudomonas aeruginosa* - should exhibit mature growth and colony morphology and produce a blue pigment.

*Escherichia coli* - should exhibit mature growth and colony morphology and should not produce a pigment.



**Potassium Nitrate Assimilation Agar - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes(16 X 125 mm or equivalent) must contain an adequate quantity of medium (10 mL  $\pm$  0.3mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 29-31 EC aerobically for 48 hours shall show no evidence of contamination.
  4. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *H anomala* and *Candida albicans* when using a standard inoculum (stock culture) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 29-31EC aerobically.

*H. anomala* - should exhibit mature growth and colony morphology and demonstrate a change in the pH indicator from greenish-yellow to blue.

*Candida albicans* - should exhibit mature growth and colony morphology and demonstrate a change in the pH indicator from greenish-yellow to yellow.
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**Citrate Agar (Simmons) - Slants**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  0.3 mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 6.9  $\pm$  0.2 @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Salmonella typhimurium* (that demonstrates an indicator change from green to blue)when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
    - B. Partial to complete inhibition of *Escherichia coli* when using a standardized inoculum (10.0  $\mu$ L of a 0.5 McFarland Standard) that would yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
-



### Urea Agar - Slants

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 6.8  $\pm$  0.2 @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Proteus vulgaris*, *Klebsiella pneumoniae* and *Salmonella typhimurim* when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard)and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.

*Proteus vulgaris* - growth with an intense pink- red color development on the slant and in the butt of tube.

*Klebsiella pneumoniae* - growth with a pink - red color development on the slant only.

*Salmonella typhimurim* - growth with no color change.
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Middlebrook 7H9 Broth w/Tween 80

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (5 mL  $\pm$  0.3 mL)with no visible evidence of freezing, drying or excessive moisture. The fill volume must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 °C aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 6.6  $\pm$  0.2 @25°C
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Mycobacterium spp. when using a standard inoculum (0.05 mL of a 0.5 McFarland standard that will consistently yield greater than 100 CFU) within the specified incubation period of 2-4 weeks at 34-36 degrees centigrade in 3-9% CO<sub>2</sub>.
-



GN Broth

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes (20 X 150 mm or equivalent) must contain an adequate quantity of medium (10 mL  $\pm$  0.5 mL) with no visible evidence of freezing, drying or excessive moisture. The fill volume must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34-36 °C aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.0  $\pm$  0.2 @25°C
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Salmonella typhimurium* when using a standard inoculum (10 uL of a 0.5 McFarland Standard) that will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36°C aerobically
    - B. Partial to complete inhibition of *Escherichia coli* when using a standardized inoculum (10.0 uL of a 0.5 McFarland Standard, diluted 1:10) that would yield a countable number of colonies greater than 100, within the same specified incubation period. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
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**Heart Infusion Broth**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (10 mL  $\pm$  0.5 mL)with no visible evidence of freezing, drying or excessive moisture. The fill volume must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.4  $\pm$  0.2 @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Streptococcus pyogenes* when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard)that will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
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**Middlebrook Enrichment Broth - ADC**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The vial must contain an adequate quantity of medium(20mL  $\pm$  0.5 mL)with no visible evidence of freezing or drying. The fill volume must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC in a CO<sub>2</sub> atmosphere for 14 days shall show no evidence of contamination.
  4. Medium must meet the following performance testing requirements :
    - A. Used as an enrichment to Middlebrook 7H9 Broth this medium must enhance the growth of *Mycobacterium tuberculosis* ATCC 27294, *Mycobacterium intracellulare* ATCC 35761 and *Mycobacterium gordonae* ATCC 35756 within the specified incubation period of 14 days at 34-36EC within a CO<sub>2</sub> atmosphere.
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### Nitrite Broth

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  0.3 mL) with no visible evidence of freezing, drying or excessive moisture. The fill volume must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.0  $\pm$  0.2 @25EC
5. Medium must meet the following performance testing requirements:

- A. Growth characteristic of *Acinetobacter faecalis*, *Neisseria cinerea* and *Neisseria gonorrhoeae* when using a standard inoculum (*Acinetobacter faecalis*-10uL of a 0.5 McFarland Standard, *Neisseria* sp.- stock culture) within the specified incubation period of 24 hours at 34-36EC aerobically. After the incubation period, the following reactions must be demonstrated:

*Acinetobacter faecalis* - with the addition of Reagents A & B - no red color produced.

*Neisseria cinerea* - presence of gas in Durham tube

*Neisseria cinerea* - no gas in Durham tube.



### Nitrate Broth

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  0.3 mL)with no visible evidence of freezing, drying or excessive moisture. The fill volume must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.0  $\pm$  0.2 @25EC
5. Medium must meet the following performance testing requirements:

- A. Growth characteristic of *Escherichia coli*, *Acinetobacter lwoffii* and *Acinetobacter xylo*s when using a standard inoculum (10 $\mu$ L of a 0.5 McFarland Standard) within the specified incubation period of 24 hours at 34-36EC aerobically. After the incubation period, the following reactions must be demonstrated upon the addition of Nitrate Reagent 1 and Nitrate Reagent 2.

*Escherichia coli*-exhibits a red color/no gas.

*Acinetobacter lwoffii*- exhibits no red color/no gas  
with the addition of 20mg of zinc produces a red color.

*Acinetobacter xylo*s - exhibits no red color/gas is present-the addition of 20 mg of zinc produces no red color.



**Lowenstein Jensen - Deeps**

1. The medium must have a minimum of 9 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes (20 x 112 mm or equivalent) must contain an adequate quantity of medium (5 mL  $\pm$  0.3 mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles (5% or less of tubes), pits and with no visible evidence of freezing, drying or excessive moisture. The butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub> for 4 weeks shall show no evidence of contamination.
  4. The pH of the medium must be within 7.0  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Mycobacterium tuberculosis, and at least two other Mycobacterium spp. when using a standard inoculum (0.05 mL of a 0.5 McFarland standard that will consistently yield greater than 100 CFU) within the specified incubation period of 4 weeks at 34-36 degrees centigrade in 3-9% CO<sub>2</sub>.
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Pyruvate Broth

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (5 mL  $\pm$  0.3 mL)with no visible evidence of freezing, drying or excessive moisture. The fill volume must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 °C aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.3  $\pm$  0.2 @25°C
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic recovered on subculture of *Enterococcus faecalis* when using a standard inoculum (10 uL of a 0.5 McFarland Standard)that will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36°C aerobically
    - B. Partial to complete inhibition of *Enterococcus faecium* when using a standardized inoculum (10.0 uL of a 0.5 McFarland Standard, diluted 1:10) that would yield a countable number of colonies greater than 100, within the same specified incubation period. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
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Tetrathionate Broth Base

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes (15 X 103 mm or equivalent) must contain an adequate quantity of medium (10 mL  $\pm$  0.5 mL) with no visible evidence of freezing, drying or excessive moisture. The fill volume must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34-36 °C aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 8.4  $\pm$  0.2 @25°C
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic recovered on subculture of *Salmonella typhimurium* when using a standard inoculum (10 uL of a 0.5 McFarland Standard) that will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36°C aerobically
    - B. Partial to complete inhibition of *Escherichia coli* when using a standardized inoculum (10.0 uL of a 0.5 McFarland Standard, diluted 1:10) that would yield a countable number of colonies greater than 100, within the same specified incubation period. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
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Iodine For Tetrathionate

1. The reagent must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped bottle must contain an adequate quantity of solution (100 mL  $\pm$  2.0 mL) with no visible evidence of freezing, drying or excessive moisture. The fill volume must be uniform throughout the lot.
3. For use with Tetrathionate Broth



Blood Agar Slants, TSA w/ 5% Sheep Blood

1. The medium must have a minimum of 3 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 °C aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.3  $\pm$  0.2 @25°C
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of Streptococcus pyogenes and Streptococcus pneumoniae when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34 - 36 degrees centigrade in 3 - 5% CO<sub>2</sub>
-



**Anaerobe Blood Agar - Plates (ITEM #001)**

1. The medium must have a minimum of 4 weeks remaining before the expiration date when received at the scheduled delivery location.
2. The petri plate (15x100 mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, blood clots, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade aerobically & anaerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.5  $\pm$  0.2 at 25 degrees centigrade.
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of Clostridium perfringens (colonies 2-5 mm in diameter, circular with occasional spreading margin, raised, grayish yellow, translucent, flossy surface) when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34 - 36 degrees centigrade anaerobically.



**Anaerobe Blood Agar w/Phenylethyl Alcohol (CDC Formula) - Plates (ITEM 003)**

1. The medium must have a minimum of 4 weeks remaining before the expiration date when received at the scheduled delivery location.
2. The petri plate (100x15mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, blood clots, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade aerobically & anaerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.5  $\pm$  0.2 at 25 degrees centigrade.
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of Clostridium perfringens (colonies 2-5 mm in diameter, circular with occasional spreading margin, raised, grayish yellow, translucent, glossy surface) when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34 - 36 degrees centigrade anaerobically.
  - B. Partial to complete inhibition of Escherichia coli when using a standardized inoculum (10.0 uL of a 0.5 McFarland Standard, diluted 1:10) that would yield a countable number of colonies greater than 100, within the same specified incubation period. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of this organism.



**Anaerobic Blood w/KV-Plates**

1. The medium must have a minimum of 4 weeks remaining before the expiration date when received at the scheduled delivery location.
  2. The petri plate (15x100mm) must contain an adequate quantity of medium (20ml  $\pm$ 0.6 mL – 3 mm thick) that is homogeneous in appearance, i.e. free of precipitate, blood clots, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 –36 degrees centigrade aerobically & anaerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within  $7.5 \pm 0.2$  at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Typical growth characteristics of Bacteroides fragilis ATCC 25282 and Prevotella melaninogenica ATCC 25845 when grown anaerobically for an incubation period of 48 – 72 hours at 35 degrees centigrade.
    - B. Partial to complete inhibition when using Escherichia coli ATCC 25922 and Staphylococcus aureus ATTC 25923 and grown aerobically for an incubation period of 24 hours at 35 degrees centigrade. A Trypticase Soy Agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
-



**Trypticase Soy Agar w/5% Sheep Blood - Plates (ITEM #019)**

1. The medium must have a minimum of 6 weeks remaining before the expiration date when received at the scheduled delivery location.
2. The petri plate (100x15mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, blood clots, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade in 3 - 5% CO<sub>2</sub> for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.3  $\pm$  0.2 at 25 degrees centigrade.
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of Streptococcus pyogenes and Streptococcus pneumoniae when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34 - 36 degrees centigrade in 3 - 5% CO<sub>2</sub>.
  - B. Satisfactory test results that assure proper sheep blood cell activity with the C.A.M.P. reaction.



**MacConkey Agar - Plates (ITEM #013)**

1. The medium must have a minimum of 6 weeks remaining before the expiration date when received at the scheduled delivery location.
2. The petri plate (100x15mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade aerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.1  $\pm$  0.2 at 25 degrees centigrade.
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of Proteus mirabilis, Salmonella typhimurium, Escherichia coli and Shigella sonnei, when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34 - 36 degrees centigrade aerobically. The swarming of Proteus mirabilis must be inhibited.
  - B. Partial to complete inhibition of Enterococcus faecalis when using a standardized inoculum (10.0 uL of a 0.5 McFarland Standard, diluted 1:10) that would yield a countable number of colonies greater than 100, within the same specified incubation period. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of this organism.



**Chocolate Agar - Slants (ITEM #035)**

1. The medium must have a minimum of 7 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes (20 x 148 mm or equivalent) must contain an adequate quantity of medium (9 mL  $\pm$  0.3 mL) that is homogeneous in appearance, i.e. free of precipitate, hemoglobin particles, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The butt and slant length must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub> for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.2  $\pm$  0.2 at 25 degrees centigrade.
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of Haemophilus influenzae, and Neisseria gonorrhoea when using a standard inoculum (10.0 uL of a 0.5 McFarland Standard) within the specified incubation period of 24 hours at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub>.



**Chocolate Agar - Plates (ITEM #008)**

1. The medium must have a minimum of 6 weeks remaining before the expiration date when received at the scheduled delivery location.
2. The petri plate (100x15mm) must contain an adequate quantity of medium (20 mL  $\pm$  0.6 mL - 3mm thick) that is homogeneous in appearance, i.e. free of precipitate, hemoglobin particles, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade in 3 - 9% CO<sub>2</sub> for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.2  $\pm$  0.2 at 25 degrees centigrade.
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of Haemophilus influenzae (grayish, semi-opaque, smooth, flat, convex with entire edge) and Neisseria gonorrhoea (0.5 - 1.0 mm in diameter and appear gray to white, opaque, raised and glistening) when using a standard inoculum (1.0 uL of a 0.5 McFarland Standard, diluted 1:100) that will yield a countable number of colonies greater than one, but less than one-hundred, within the specified incubation period of 24 hours at 34 - 36 degrees centigrade in 3 - 5% CO<sub>2</sub>.



**Bile Esculin Agar - Slants (ITEM #033)**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7mL  $\pm$  0.3mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 6.8  $\pm$  0.2 @25EC
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of *Enterococcus faecalis*(that exhibits blacking around colonies)when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
  - B. Partial to complete inhibition of *Streptococcus pyogenes* when using a standardized inoculum (10.0  $\mu$ L of a 0.5 McFarland Standard) that would yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.

Citrate Agar (Simmons) - Slants

#060496

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes (15 X 103 mm or equivalent) must contain an adequate quantity of medium ( $7 \text{ mL} \pm 0.3 \text{ mL}$ ) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within  $6.9 \pm 0.2$  @25EC
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic of *Salmonella typhimurium* (that demonstrates an indicator change from green to blue) when using a standard inoculum (10  $\mu\text{L}$  of a 0.5 McFarland Standard) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
    - B. Partial to complete inhibition of *Escherichia coli* when using a standardized inoculum (10.0  $\mu\text{L}$  of a 0.5 McFarland Standard) that would yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
-

Esculin Agar - Slants

# 06 0878

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes (15 X 103 mm or equivalent) must contain an adequate quantity of medium ( $7\text{mL} \pm 0.3\text{mL}$ ) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within  $7.0 \pm 0.2$  @25EC
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of *Pseudomonas paucimobilis* when using a standard inoculum (10  $\mu\text{L}$  of a 0.5 McFarland Standard) and will yield more than one-hundred colony forming units within the specified incubation period of 42 hours at 34-36EC aerobically.

*Pseudomonas paucimobilis* - Following incubation, growth turns the medium brownish-black.

Prod  
06-0876?  
Hydrolysis?



**Cetrimide Agar - Slants (ITEM #034)**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7mL  $\pm$  0.3mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.2  $\pm$  0.2 @25EC
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of *Pseudomonas aeruginosa* (that exhibits green pigmentation surrounding growth)when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.
  - B. Partial to complete inhibition of *Pseudomonas paucimobilis* when using a standardized inoculum (10.0  $\mu$ L of a 0.5 McFarland Standard)that would yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.

**Nutrient Agar - Slants (ITEM #044)**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium ( $7 \text{ mL} \pm 0.3\text{mL}$ ) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within  $6.8 \pm 0.2$  @25EC
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of *Escherichia coli* when using a standard inoculum (stock culture) and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.



**Urea Agar - Slants (ITEM #051)**

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped tubes(15 X 103 mm or equivalent) must contain an adequate quantity of medium (7 mL  $\pm$  mL) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant & butt length must be uniform throughout the lot.
3. Sterility testing must be satisfactory in that representative samples(10% or not to exceed 10 samples) of each lot incubated at 34-36 EC aerobically for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 6.8  $\pm$  0.2 @25EC
5. Medium must meet the following performance testing requirements:
  - A. Growth characteristic of *Proteus vulgaris*, *Klebsiella pneumoniae* and *Salmonella typhimurim* when using a standard inoculum (10  $\mu$ L of a 0.5 McFarland Standard)and will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36EC aerobically.

*Proteus vulgaris* - growth with an intense pink- red color development on the slant and in the butt of tube.

*Klebsiella pneumoniae* - growth with a pink - red color development on the slant only.

*Salmonella typhimurim* - growth with no color change.



### Bacitracin Differential Disks

1. The disks must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. A Bacitracin Differential disk: ¼ inch diameter paper disk impregnated with 0.04 mcg Bacitracin per disk.
3. Disks must meet the following performance testing requirements:

After an incubation period of 18 – 24 hours at 34-36 degrees centigrade in a 5-10% CO<sub>2</sub> atmosphere, the zone size must fall into the ranges of acceptable zone diameter for quality control limits specified.

- A. Positive Control – Streptococcus pyogenes ATCC 12384  
Any Zone of inhibition of growth from a beta hemolytic isolate
  - B. Negative Control – Streptococcus agalactiae ATCC 12384  
No Zone of inhibition
-

**Mueller Hinton Agar - Plates ITEM #015)**

1. The medium must have a minimum of 4 weeks remaining before the expiration date when received at the scheduled delivery location.
2. The petri plate (150x15mm) must contain an adequate quantity of medium (60 mL  $\pm$  1.8 mL - 4 mm thick) that is homogeneous in appearance, i.e. free of precipitate, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture.
3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 - 36 degrees centigrade aerobically, for 48 hours shall show no evidence of contamination.
4. The pH of the medium must be within 7.3  $\pm$  0.1 at 25 degrees centigrade.
5. Medium must meet the following performance testing requirements:
  - A. Zone sizes must fall into the ranges of acceptable zone diameter quality control limits specified by the NCCLS Document M2-A5, Performance Standard for Antimicrobial Disk Susceptibility Tests, 5th. ed.; Approved Standard for the following organisms: Staphylococcus aureus - 25923, Escherichia coli - 25922, Pseudomonas aeruginosa - 27853, after incubation for 18 hours at 34 - 36 degrees centigrade, aerobically.



#07162

Tetrathionate Broth Base

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes (15 X 103 mm or equivalent) must contain an adequate quantity of medium ( $10 \text{ mL} \pm 0.5 \text{ mL}$ ) with no visible evidence of freezing, drying or excessive moisture. The fill volume must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34-36 °C aerobically for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within  $8.4 \pm 0.2$  @25°C
  5. Medium must meet the following performance testing requirements:
    - A. Growth characteristic recovered on subculture of *Salmonella typhimurium* when using a standard inoculum (10 uL of a 0.5 McFarland Standard) that will yield more than one-hundred colony forming units within the specified incubation period of 24 hours at 34-36°C aerobically
    - B. Partial to complete inhibition of *Escherichia coli* when using a standardized inoculum (10.0 uL of a 0.5 McFarland Standard, diluted 1:10) that would yield a countable number of colonies greater than 100, within the same specified incubation period. A trypticase soy agar with blood plate is used to demonstrate culture viability and sufficient growth of these organisms.
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# 21228

Iodine For Tetrathionate

1. The reagent must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
2. The screw-capped bottle must contain an adequate quantity of solution (100 mL  $\pm$  2.0 mL) with no visible evidence of freezing, drying or excessive moisture. The fill volume must be uniform throughout the lot.
3. For use with Tetrathionate Broth



### Blood Agar Slants

1. The medium must have a minimum of 6 months remaining before the expiration date when received at the scheduled delivery location.
  2. The screw-capped tubes (15 X 103 mm or equivalent) must contain an adequate quantity of medium (7mL  $\pm$  0.3ml) that is homogeneous in appearance, i.e. free of precipitation, blood clots, agar chunks, bubbles, pits and with no visible evidence of freezing, drying or excessive moisture. The slant and butt length must be uniform throughout the lot.
  3. Sterility testing must be satisfactory in that representative samples (10% or not to exceed 10 samples) of each lot incubated at 34 –36 degrees centigrade in 3-5% CO<sub>2</sub> for 48 hours shall show no evidence of contamination.
  4. The pH of the medium must be within 7.3  $\pm$  0.2 at 25 degrees centigrade.
  5. Medium must meet the following performance testing requirements:
    - A. Typical growth characteristics of Streptococcus pyogenes and Streptococcus pneumoniae when using standard inoculum (1.0uL of a 0.5 McFarland Standard, Diluted 1:100) within the specified incubation period of 24 hours at 34-36 degrees centigrade in 3-5% CO<sub>2</sub>.
-



**Campy micro-aerophilic generator-waterless**

1. The Kit must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
  2. Each Kit must produce conditions suitable for the cultivation of micro-aerophilic organisms **without** the addition of water.
  3. The individual sachets must meet the following performance requirements:
    - A. Each individual sachet must produce a sufficient atmosphere for use in a jar of approximately 2.5 liters.
    - B. The atmospheric oxygen in a jar must be rapidly absorbed with the simultaneous generation of carbon dioxide. No catalyst (hydrogen is not produced) or water should be needed to produce the micro-aerophilic atmosphere.
-



**Bactidrop Oxidase**

1. The reagent must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
  2. Reagent: Classic Formula. Bactidrop Oxidase 0.75 ml/ampule.
  3. The Reagent must meet the following performance testing requirements:
    - A. Positive Test – Pseudomonas aeruginosa ATCC 27853  
Color development within 10 – 30 seconds.
    - B. Negative Test – Escherichia coli ATCC25922  
Delayed reaction or no color development within 10 – 30 seconds.
-



### **Bacti Staph Latex Test**

1. The test Kit must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
  2. Intended use: A rapid slide latex agglutination test for the detection of both clumping factor and protein A which are used to distinguish Staphylococcus aureus from other species of staphylococci.
  3. The test kit must contain sufficient reagents for 150 tests and include Latex Reagent, Positive and Negative Controls, Disposable Slides and Stirring Sticks.
-



**Etest, Oxacillin**

1. The strips must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
  2. Intended Use: Antibiotic gradient strips for quantitative screening of Staphylococcus aureus isolates to detect resistance to Oxacillin.
  3. Inert and non-porous plastic strip 5mm wide and 50 mm long. A predefined exponential gradient of antibiotic, dried and stabilized, is immobilized on the strip. The range corresponds to 15 two-fold dilutions in a conventional MIC method.
  4. Strips must meet the following performance testing requirements:
    - A. Inhibition ellipse results must fall into the ranges of acceptable size limits specified by the NCCLS Quality Control Ranges for MICs (ug/ml) *Staphylococcus aureus* ATCC 29213 0.12-0.5ug/ml
    - B. NCCLS MIC Interpretive Standards (ug/ml) for *Staphylococci* are Susceptible 2 and Resistant 4
-



**Etest, Vancomycin**

1. The strips must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
  2. Intended Use: Antibiotic gradient strips for quantitative screening of Staphylococcus aureus isolates to detect resistance to Vancomycin.
  3. Inert and non-porous plastic strip 5mm wide and 50 mm long. A predefined exponential gradient of antibiotic, dried and stabilized, is immobilized on the strip. The range corresponds to 15 two-fold dilutions in a conventional MIC method.
  4. Strips must meet the following performance testing requirements:
    - A. Inhibition ellipse results must fall into the ranges of acceptable size limits specified by the NCCLS Quality Control Ranges for MICs (ug/ml) Staphylococcus aureus ATCC 29213 0.5-2 ug/ml
    - B. NCCLS MIC Interpretive Standards (ug/ml) for Staphylococci are Susceptible 4, intermediate 8-16, and Resistant 32
-



### Hippurate Disk

1. The disks must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
2. Intended Use: Rapid test to detect the hydrolysis of sodium hippurate by group B streptococci, *G. vaginalis*, and *C. jejuni*. Requires Ninhydrin Reagent.
3. Disks must meet the following performance testing requirements:
4. The Disk must meet the following performance testing requirements after a Hippurate Disk is incubated for 2 hours at 35-37 degrees centigrade in a water suspension of test organism, and after adding 2 drops of Ninhydrin reagent and incubating for an additional 30 minutes at 35-37 degrees centigrade:

A. Positive Test - *Streptococcus agalactiae* ATCC 12386  
Blue-purple color development within the 30 minute reincubation.

Negative Test - *Streptococcus agalactiae* ATCC 12386  
No color development or a light gray color development within the 30 minute reincubation.

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### LAP Disk

1. The disks must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
2. Intended Use: For rapid detection of leucine aminopeptidase in streptococci and related genera. Requires PYR Reagent.
3. Disks must meet the following performance testing requirements:

Rehydrate the disk with demineralized water, inoculate with several colonies from a pure 18-72 hour culture, incubate at room temperature for 5 minutes. Add one drop of PYR Reagent.

- A. Positive Test – pink to red color development
  - B. Negative Test – no color change
-



### PYR/Esculin Disk

1. The disks must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
2. Intended Use: For presumptive identification of group A streptococci and enterococci. Requires PYR Reagent.
3. Disks must meet the following performance testing requirements:

Inoculated disks are incubated on the surface of an agar plate prior to adding PYR Reagent.

A. Esculin Test- incubate 15 minutes at 35-37 degrees centigrade, then expose to longwave ultraviolet light.

1. Positive – loss of fluorescence
2. Negative Test – bright blue fluorescence

B. PYR Test – incubation 5 minutes at room temperature then add the PYR reagent.

1. Positive – pink to red color development within 1-2 minutes
  2. Negative – no color development within 1-2 minutes
-



### Methyl Red Reagent

1. The reagent must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
  2. Reagent: Classic Formula. 25ml/Btl
  3. The Reagent must meet the following performance testing requirements following incubation in MR-VP Broth and incubated aerobically at 35-37°C for a minimum of 48 hours:
    - A. Positive Test – Escherichia coli ATCC 25922  
Red color on the surface of the medium
    - B. Negative Test - Klebsiella pneumoniae ATCC 27736  
Yellow color on surface of medium
-



### Ninhydrin Reagent

1. The reagent must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
  2. Intended Use: Ninhydrin Reagent is used in qualitative procedures to detect the hydrolysis of sodium hippurate by beta hemolytic streptococci, Gardnerella vaginalis, and Campylobacter Jejuni.
  3. Reagent: Classic Formula. 25ml/Btl
  4. The Reagent must meet the following performance testing requirements:  
After adding 2 drops of Ninhydrin reagent and incubating for 30 minutes at 35-37 degrees centigrade a suspension of water, test organism, and Hippurate Disk which has been incubation at 35-37 degrees centigrade for a period of 2 hours:
    - A. Positive Test -Streptococcus agalactiae ATCC 12386  
Blue-purple color development within the 30 minute reincubation.
    - B. Negative Test – Streptococcus agalactiae ATCC 12386  
No color development or a light gray color development within the 30 minute reincubation.
-



### **PathoDx Strep Grouping**

1. The test Kit must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
  2. Intended use: A latex agglutination test designed to identify beta-hemolytic streptococci of Lancefield Groups A, B, C, F, and G from primary culture plates. A one minute test.
  3. The test kit must contain sufficient reagents for 60 tests, 1 vial each of Strep Grouping Latex A, B, C, F, G; control antigens ABD and FG; extraction reagents 1,2,3; stirrers; disposable slides. latex Grouping reagents for Positive, Negative and Latex Controls and disposable reaction cards.
-



**PYR Reagent**

1. The reagent must have a minimum of 2 months remaining before the expiration date when received at the scheduled delivery location.
  2. Reagent: Classic Formula. 25ml/Btl
  3. The Reagent must meet the following performance testing requirements when 1-2 drops have been dispensed onto PYR/Esulin disks following inoculation of the disk surface with isolated colonies and incubation aerobically at 35-37°C for 15 minutes:
    - A. Positive Test -Streptococcus pyogenes ATCC 19615  
Development of a red color within 1-2 minutes.
    - B. Negative Test – Streptococcus agalactiae ATCC 12386  
No color development within 1-2 minutes.
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### Coagulase Plasma

1. The reagent must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
2. Intended use: A reagent for use in qualitative procedures for the detection of coagulase enzyme in staphylococci.
3. Reagent: Classic Formula, lyophilized, Rabbit plasma w/EDTA.
4. The reagent must meet the following performance testing requirements:

#### Slide Test:

Positive Control: Staphylococcus aureus ATCC 25923 – Marked clumping within 10 seconds

Negative Control: Staphylococcus epidermidis ATCC 12228 – No change, suspension remains homogeneous.

#### Tube Test:

Positive Control: Staphylococcus aureus ATCC 25923 – Clot formation.

Negative Control: Staphylococcus epidermidis ATCC 12228 – No change, suspension remains homogenous.



**E. coli 0157 Latex Kit**

1. The test Kit must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
2. Intended use: A latex agglutination test for the identificaion of E. Coli serogroup 0157 from primary isolation plate.
3. The test kit must contain sufficient reagents for 100 tests, reagents for Positive, Negative and Latex Controls and disposable reaction cards.



### Anaerobic Gas Generating Kit

1. The Kit must have a minimum of 4 months remaining before the expiration date when received at the scheduled delivery location.
  2. Each Kit must provide a reliable and convenient method for producing anaerobic conditions in standard jars containing active catalysts.
  3. The individual sachets must meet the following performance requirements:
    - A. Each sachet must contain a tablet of sodium borohydride, citric acid and sodium bicarbonate to produce approximately 1800ml hydrogen and 350ml carbon dioxide. The volume of hydrogen produced must be adequate to ensure complete anaerobiosis in the presence of an active catalyst in jars up to 3.5 liters capacity. The carbon dioxide must give a final concentration of 7-10% depending on the jar used.
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