

# VACCINE PREPARATION AND ADMINISTRATION (Post in Vaccine Prep Area)

VACCINE	INSTRUCTIONS FOR RECONSTITUTION OR USE <sup>1</sup>	SHELF LIFE AFTER RECONSTITUTION, THAWING OR OPENING
DTaP, DTaP-Hep B-IPV, DTaP-IPV, DT, Td, Tdap, HepA, HepB, Hib (PedvaxHIB®), HepA-HepB (combination), 9vHPV, 4vHPV, IIV3/IIV4 ("flu shot"), cclIV4 (Flucelvax®), RIV3 (Flubluk®), MenB (Trumenba™, Bexsero®), MenACWY-D (Menactra®), and PPSV23	Shake vial well to obtain a uniform suspension prior to withdrawing each dose. The vaccine should not be used if it cannot be re-suspended. <sup>1</sup> MenB(Trumemba™) syringes recommended to lay flat on shelf to minimize re-dispersion time, shake syringe vigorously to obtain uniform suspension. <sup>1</sup> <b>ADMINISTER INTRAMUSCULAR (IM)</b> PPSV23 may also be administered subcutaneous (SC)	Once drawn into syringe, administer immediately. <b>Protect MenACWY, IIV3/IIV4, cclIV4, RIV3, 9vHPV, 4vHPV, &amp; MenB (Bexsero®) from light.</b> Use multi-dose vials until expiration date, unless contaminated or otherwise stated in the manufacturer's product information. Do not freeze.
DTaP-IPV/Hib (Pentacel®) Hib (ActHIB®) Hiberix® HibMenCY (MenHibrix®)	<b>RECONSTITUTE JUST BEFORE USING.</b> Use only the diluent that comes with the vaccine. Diluents for these vaccines are <b>not interchangeable</b> . Inject the entire volume of diluent into the vial of lyophilized vaccine. Shake vial well to mix thoroughly. <sup>1</sup> Withdraw entire contents and inject the total volume of vaccine. <b>ADMINISTER INTRAMUSCULAR (IM)</b>	After reconstitution, Pentacel® may be stored for 30 minutes in refrigerator at 36° to 46°F (2° to 8°C). <b>Discard Pentacel® if not used within 30 minutes after reconstitution.</b> After reconstitution ActHIB® may be stored for 24 hours in refrigerator at 36° to 46°F (2° to 8°C). <b>Discard ActHIB® if not used within 24 hours after reconstitution. Protect MenHibrix® and Hiberix® from light.</b> After reconstitution, use MenHibrix® within 30 minutes. <b>Discard MenHibrix® if not used within 30 minutes.</b> Do not freeze vaccines.
Inactivated Poliovirus Vaccine (IPV)	<b>ADMINISTER SUBCUTANEOUS (SC) OR INTRAMUSCULAR (IM)<sup>1</sup></b>	Use multi-dose vials until expiration date, unless contaminated. <b>Protect from light.</b>
Pneumococcal Conjugate (PCV13)	<b>SHAKE VIGOROUSLY</b> prior to use, to obtain uniform suspension. After shaking; PCV13 is a white liquid. If it cannot be re-suspended, Do Not Use. <sup>1</sup> <b>ADMINISTER INTRAMUSCULAR (IM)</b>	Must be stored in the refrigerator at 36° to 46° F (2° to 8°C). Do not freeze.
MenACWY-CRM (Menveo®)	<b>RECONSTITUTE JUST BEFORE USING.</b> Use only the diluent that comes with the vaccine. Draw up MenCWY liquid (diluent), add to MenA vial, invert; shake well. <sup>1</sup> Withdraw entire contents and inject the total volume of vaccine. <b>ADMINISTER INTRAMUSCULAR (IM)</b>	Administer immediately. Do not freeze reconstituted vaccine. <b>Discard reconstituted vaccine if not used within 8 hours. Protect from light.</b>
MPSV4 (Menomune®)	<b>RECONSTITUTE JUST BEFORE USING.</b> Use only the diluent that comes with the vaccine. If using a multidose vial, shake vial well <sup>1</sup> . Withdraw a single dose into syringe. Indicate date of initial use on multidose vial. <b>ADMINISTER SUBCUTANEOUS (SC).</b>	Administer immediately. Reconstituted vaccine may be refrigerated for up to 30 minutes. <b>Discard reconstituted vaccine if not used within 30 minutes.</b> Store unused portions of multidose vials in refrigerator. Once opened, MPSV4 multidose vial should be discarded after 35 days from opened date.
Rotavirus Vaccines (RV) RV1 (ROTARIX®), RV5 (RotaTeq®)	<b>RV1 (Rotarix®): RECONSTITUTE JUST BEFORE USING.</b> Use only the applicator and diluent supplied with the vaccine. <b>ADMINISTER ORAL:</b> RV1 1mL; RV5 2mL	Administer immediately. <b>Discard RV1 (Rotarix®) if not used within 24 hours after reconstitution. Protect RV from light.</b>
Measles, Mumps, Rubella (MMR)	<b>RECONSTITUTE JUST BEFORE USING.</b> Use only the diluent that comes with the vaccine. Inject the entire volume of diluent into the vial of lyophilized vaccine. Shake vial well to mix thoroughly. <sup>1</sup> Withdraw entire contents and inject the total volume of vaccine. <b>ADMINISTER SUBCUTANEOUS (SC).</b>	Administer immediately. After reconstitution, MMR may be stored for 8 hours in refrigerator at 36° to 46°F (2° to 8°C). <b>Discard MMR if not used within 8 hours after reconstitution.</b> Do not freeze reconstituted vaccine. <b>Protect MMR from light.</b>
Varicella Measles, Mumps, Rubella, Varicella (MMRV) Zoster (HZV)	<b>RECONSTITUTE JUST BEFORE USING.</b> Use only the diluent that comes with the vaccine. Inject the entire volume of diluent into the vial of lyophilized vaccine. Shake vial well to mix thoroughly. <sup>1</sup> Withdraw entire contents and inject the total volume of vaccine. <b>ADMINISTER SUBCUTANEOUS (SC).</b>	After reconstitution, use immediately. Do not freeze reconstituted vaccine. <b>Discard if not used within 30 minutes after reconstitution. Protect from light.</b>

<sup>1</sup>Visually inspect for particulate matter and discoloration prior to administration. Do not use if particulate matter and/or discoloration is found. **PLEASE NOTE:** These recommendations are not a substitute for the manufacturer's package insert included with each biologic. This reference is for preparation and administration informational purposes only.

<sup>2</sup>For further information on preparation and administration of vaccines refer to CDC's Vaccine Storage and Handling Toolkit (June 2016) at: <http://www.cdc.gov/vaccines/hcp/admin/storage/toolkit/storage-handling-toolkit.pdf>