

# 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-IPV-Hep B, DTaP-IPV, DT, Td, Tdap, HepA, HepB, Hib (PedvaxHIB®), Hep B-Hib, HepA-HepB (combination), HPV4, HPV2, TIV (Flu), MCV4 (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> <b>ADMINISTER INTRAMUSCULAR (IM)</b> PPSV23 may also be administered subcutaneous (SC)	Once drawn into syringe, administer immediately. <b>Protect MCV4, TIV, HPV4 and HPV2 from light.</b> Use multi-dose vials until expiration date, unless contaminated or otherwise stated in the manufacturer's product information.
DTaP-IPV/Hib (Pentacel®) Hib (ActHIB® & Hiberix®)	<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 35° to 46°F (2° to 8°C). <b>Discard Pentacel® if not used within 30 minutes after reconstitution.</b> After reconstitution ActHIB® & Hiberix® may be stored for 24 hours in refrigerator at 35° to 46°F (2° to 8°C). <b>Discard ActHIB® &amp; Hiberix® if not used within 24 hours after reconstitution.</b> <b>Protect Hiberix® from light.</b>
Inactivated Poliovirus Vaccine (IPV)	<b>ADMINISTER SUBCUTANEOUS (SC) OR INTRAMUSCULAR (IM)<sup>1</sup></b>	Use multi-dose vials until expiration date, unless contaminated.
Live Attenuated Influenza Vaccine (LAIV)	<b>ADMINISTER INTRANASAL (IN)</b>	Must be stored in the refrigerator at 35° to 46° (2° to 8°C). <b>DO NOT FREEZE.</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 35° to 46° (2° to 8°C). <b>DO NOT FREEZE.</b>
MCV4 Menveo®	<b>RECONSTITUTE JUST BEFORE USING.</b> Use only the diluent that comes with the vaccine. Draw up MenCYW liquid (diluent), add to Men A 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.</b> <b>Protect from light.</b>
MPSV4 (Menomune®) <sup>2</sup>	<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 2mL; RV5 1mL	<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 35° 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, MMRV Zoster <sup>2</sup>	<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 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>Zoster (ZOSTAVAX®) vaccine and MPSV4 (Menomune®) are not available under the VFC (MI-VRP) Program.

<sup>3</sup>For further information on preparation and administration of vaccines refer to: Vaccine Storage and Handling Guide from CDC at <http://www.cdc.gov/vaccines/recs/storage/guide/default.htm>