

VACCINE PREPARATION AND ADMINISTRATION (Post in Vaccine Prep Area)

VACCINE	INSTRUCTIONS FOR RECONSTITUTION OR USE ¹	SHELF LIFE AFTER RECONSTITUTION, THAWING OR OPENING ^{2,3}
DTaP, DTaP-Hep B-IPV (Pediatrix [®]), DTaP-IPV (Quadrapel [™] , Kinrix [®]), DT, Td, Tdap, HepA, HepB, HepA-HepB (Twinrix [®]), Hib (PedvaxHIB [®]), 9vHPV, IIV3/IIV4 ("flu shot"), ccIIIV4 (Flucelvax [®]), RIV3/RIV4 (Flublok [®]), MenB (Trumenba [®] , Bexsero [®]), MenACWY-D (Menactra [®]), 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. ¹ MenB (Trumenba [®]) syringes are recommended to lay flat on the shelf to minimize re-dispersion time; shake syringe vigorously to obtain uniform suspension. ¹ ADMINISTER INTRAMUSCULAR (IM). PPSV23 may also be administered subcutaneous (SC).	Once drawn into syringe, administer immediately. Protect 9vHPV, IIV3/IIV4, ccIIIV4, RIV3/RIV4, MenB (Bexsero[®]) and MenACWY-D from light. Use multi-dose vials until expiration date, unless contaminated or otherwise stated in the manufacturer's product information (e.g., some flu vaccines). Do not freeze.
DTaP-IPV/Hib (Pentacel [®]) Hib (ActHIB [®] , Hiberix [®])	RECONSTITUTE JUST BEFORE USING. Use only the diluent that comes with the vaccine. Diluents for these vaccines are not interchangeable . Inject the entire volume of diluent into the vial of lyophilized vaccine. Shake vial well to mix thoroughly. ¹ Withdraw entire contents and inject the total volume of vaccine. ADMINISTER INTRAMUSCULAR (IM).	After reconstitution, Pentacel [®] may be stored for 30 minutes in a refrigerator at 36° to 46°F (2° to 8°C). Discard Pentacel[®] if not used within 30 minutes after reconstitution. After reconstitution, ActHIB [®] and Hiberix [®] may be stored for 24 hours in a refrigerator at 36° to 46°F (2° to 8°C). Discard ActHIB[®] and Hiberix[®] if not used within 24 hours after reconstitution. Protect Hiberix[®] from light. Do not freeze.
Inactivated Poliovirus Vaccine (IPV)	ADMINISTER SUBCUTANEOUS (SC) OR INTRAMUSCULAR (IM).¹	Use multi-dose vials until expiration date, unless contaminated. Protect from light.
Pneumococcal Conjugate (PCV13)	SHAKE VIGOROUSLY prior to use to obtain uniform suspension. After shaking, PCV13 is a white liquid. If it cannot be re-suspended, do not use. ¹ ADMINISTER INTRAMUSCULAR (IM).	Must be stored in a refrigerator at 36° to 46°F (2° to 8°C). Do not freeze.
MenACWY-CRM (Menveo [®])	RECONSTITUTE JUST BEFORE USING. Use only the diluent that comes with the vaccine. Draw up MenCWY liquid (diluent); add to MenA vial; invert; shake well. ¹ Withdraw entire contents and inject the total volume of vaccine. ADMINISTER INTRAMUSCULAR (IM).	Administer immediately. Do not freeze. Discard reconstituted vaccine if not used within 8 hours. Protect from light.
Rotavirus Vaccines (RV): RV1 (Rotarix [®]) RV5 (RotaTeq [®])	RV1 (Rotarix[®]): RECONSTITUTE JUST BEFORE USING. Use only the applicator and diluent supplied with the vaccine. ADMINISTER ORAL , RV1 1mL. RV5 (RotaTeq[®]): ADMINISTER ORAL , RV5 2mL.	Administer immediately. Discard RV1 (Rotarix[®]) if not used within 24 hours after reconstitution. Protect RV1 and RV5 from light.
Recombinant Zoster Vaccine (RZV-Shingrix)	RECONSTITUTE JUST BEFORE USING. Use only the diluent that comes with the vaccine. Inject the entire volume of diluent into the vial of lyophilized vaccine. Gently shake the vial to mix thoroughly. ¹ Withdraw the entire contents and inject the total volume of vaccine. ADMINISTER INTRAMUSCULAR (IM).	Administer immediately. After reconstitution, RZV may be stored for 6 hours in a refrigerator at 36° to 46°F (2° to 8°C). Discard RZV if not used within 6 hours after reconstitution. Do not freeze. Protect from light.
Measles, Mumps, Rubella (MMR)	RECONSTITUTE JUST BEFORE USING. 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. ¹ Withdraw entire contents and inject the total volume of vaccine. ADMINISTER SUBCUTANEOUS (SC).	Administer immediately. After reconstitution, MMR may be stored for 8 hours in a refrigerator at 36° to 46°F (2° to 8°C). Discard MMR if not used within 8 hours after reconstitution. Do not freeze reconstituted vaccine. Protect from light.
Varicella Measles, Mumps, Rubella, Varicella (MMRV) Zoster Vaccine Live (ZVL-Zostavax [®])	RECONSTITUTE JUST BEFORE USING. 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. ¹ Withdraw entire contents and inject the total volume of vaccine. ADMINISTER SUBCUTANEOUS (SC).	After reconstitution, use immediately. Do not freeze reconstituted vaccine. Discard if not used within 30 minutes after reconstitution. Protect from light.

¹Visually 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.

²Once vaccine is drawn into a syringe, or the syringe is activated, the vaccine **MUST** be used by the end of the clinic day. **If it's not used, it must be discarded.**

³For further information on preparation and administration of vaccines, refer to CDC's Vaccine Storage and Handling Toolkit (January 2018) at: www.cdc.gov/vaccines/hcp/admin/storage/toolkit/index.html.