

STORAGE AND HANDLING OF COMMON IMMUNOBIOLOGICS

Proper handling of biologics to maintain their potency is essential. The following guidelines must be followed when handling and storing these products.

DT: Diphtheria-Tetanus Toxoids - Pediatric
Td: Tetanus-Diphtheria Toxoids - Adult

Shipping Requirements: Should be shipped in insulated container. Maintain temperature at 35° – 46°F (2° – 8°C). Do not freeze or expose to freezing temperatures.

Condition upon Arrival: Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival.

Storage Requirements: Refrigerate immediately upon arrival. Store at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Instructions for Use: Inspect visually for extraneous particulate matter and/or discoloration. If these conditions exist, the vaccine should not be used. Shake vial or manufacturer-filled syringe well before use. Discard vaccine if it cannot be resuspended with thorough agitation.

Shelf Life After Opening:

Single-Dose Vials: The vaccine should be administered shortly after withdrawal from the vial.

Multidose Vials: Withdraw single dose of vaccine into separate sterile needle and syringe for each immunization. The vaccine should be administered shortly after withdrawal from the vial. Unused portions of multidose vials may be refrigerated at 35° – 46°F (2° – 8°C) and used until expired, if not contaminated or unless otherwise stated in the manufacturer's product information.

Manufacturer-Filled Syringes: The vaccine should be administered shortly after the needle is attached to the syringe.

DTaP: Diphtheria-Tetanus Toxoids-Acellular Pertussis - Pediatric
DTaP-Hib Diphtheria-Tetanus Toxoids-Acellular Pertussis-Haemophilus influenzae type b Conjugate Vaccine - Pediatric

DTaP-IPV Diphtheria-Tetanus Toxoids-Acellular Pertussis-Inactivated Polio Vaccine - Pediatric

DTaP-HepB-IPV: Diphtheria-Tetanus Toxoids-Acellular Pertussis-Hepatitis B-Inactivated Polio Vaccine - Pediatric

DTaP-IPV-Hib: Diphtheria-Tetanus Toxoids-Acellular Pertussis-Inactivated Polio Vaccine- Haemophilus influenzae type b Conjugate Vaccine - Pediatric

TdaP Tetanus-Diphtheria Toxoids-Acellular Pertussis - Adult

Shipping Requirements: Should be shipped in insulated container. Maintain temperature at 35° – 46°F (2° – 8°C). **Do not freeze or expose to freezing temperatures.**

Condition upon Arrival: Should not have been frozen or exposed to

freezing temperatures. Refrigerate upon arrival. If you have questions about the condition of the material at the time of delivery, you should 1) immediately place material in recommended storage; and 2) then follow the immunization program policy and contact either the Manufacturer's Quality Control office or the immunization program for guidance.

Storage Requirements: Refrigerate immediately upon arrival. Store at 35° – 46°F (2° – 8°C). **Do not freeze or expose to freezing temperatures.**

Instructions for Reconstitution* or Use: Inspect visually for extraneous particulate matter and/or discoloration. If these conditions exist, the vaccine should not be used. Shake vial or manufacturer-filled syringe well before use. Discard vaccine if it cannot be resuspended with thorough agitation.

Shelf Life after Reconstitution* or Opening:

Single-Dose Vials: The vaccine should be administered shortly after withdrawal from the vial.

Manufacturer-Filled Syringes: The vaccine should be administered shortly after the needle is attached to the syringe.

* **DTaP/Hib** (TriHIBit®) is ActHIB® (sanofi pasteur) reconstituted with Tripedia® (sanofi pasteur). Once reconstituted, this combination vaccine must be used within 30 minutes or discarded. The only DTaP vaccine that can be used to reconstitute ActHIB® is Tripedia®. No other brand of DTaP is approved for this use.

DTaP-IPV-Hib (Pentacel, sanofi pasteur) the DTaP-IPV component is supplied as a sterile liquid used to reconstitute a lyophilized ActHIB vaccine component. Components should not be administered separately.

HAV:
HBV:
HAV/HBV:
HBV/Hib:

Hepatitis A Vaccine
Hepatitis B Vaccine
Hepatitis A and Hepatitis B Vaccine
Hepatitis B and *Haemophilus influenzae* type b Vaccine

Shipping Requirements: Should be shipped in insulated container. Maintain temperature at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Condition upon Arrival: Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival.

Storage Requirements: Refrigerate immediately upon arrival. Store at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Instructions for Use: Inspect visually for extraneous particulate matter and/or discoloration. If these conditions exist, the vaccine should not be used. Shake vial or manufacturer-filled syringe well before use. Discard vaccine if it cannot be resuspended with thorough

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agitation.

Shelf Life After Opening:

Single-Dose Vials: The vaccine should be administered shortly after withdrawal from the vial.

Manufacturer-Filled Syringes: The vaccine should be administered shortly after the needle is attached to the syringe.

Hib:

Haemophilus influenzae type b Conjugate Vaccine

Shipping Requirements: Should be shipped in insulated container. Maintain temperature at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Condition upon Arrival: Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival.

Storage Requirements:

Vaccine: Refrigerate immediately upon arrival. Store at 35° – 46°F (2° – 8°C). Do not freeze or expose to freezing temperatures.

Diluent: May be refrigerated or stored at room temperature (68° – 77°F [20° – 25°C]). Do not freeze or expose to freezing temperatures.

Instructions for Reconstitution or Use: Inspect visually for extraneous particulate matter and/or discoloration. If these conditions exist, the vaccine should not be used. Shake vial well before use. Discard vaccine if it cannot be resuspended with thorough agitation.

Shelf Life After Opening: The vaccine should be administered shortly after withdrawal from the vial or for manufacturer-filled syringes shortly after the needle is attached.

* ActHIB® (sanofi pasteur) reconstituted with 0.4% sodium chloride diluent should be used within 24 hours after reconstitution. If sanofi pasteur DTaP-Tripedia® is used to reconstitute ActHIB®, the TriHibit® vaccine must be used within 30 minutes of reconstitution. Only sanofi pasteur DTaP-Tripedia® or the diluent shipped with the product may be used to reconstitute the sanofi pasteur ActHIB® product. No other brand of DTaP is licensed for use in reconstitution of ActHIB®.

HPV

Human Papillomavirus Vaccine

Shipping Requirements: Should be shipped in insulated container. Maintain temperature at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Condition upon Arrival: Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival.

Storage Requirements: Refrigerate immediately upon arrival. Store at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures. Protect from light.

IPV:

Instructions for Reconstitution or Use: Thorough agitation immediately before administration is necessary to maintain suspension of the vaccine. Do not use the product if particulates are present or if it appears discolored.

Shelf Life After Opening: The vaccine should be administered shortly after withdrawal from the vial or for manufacturer-filled syringes shortly after the needle is attached.

Inactivated Polio Vaccine

Shipping Requirements: Should be shipped in insulated container. Maintain temperature at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Condition upon Arrival: Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival.

Storage Requirements: Refrigerate immediately upon arrival. Store at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Instructions for Use: Inspect visually for extraneous particulate matter and/or discoloration. If these conditions exist, the vaccine should not be used. Shake vial or manufacturer-filled syringe well before use. Discard vaccine if it cannot be resuspended with thorough agitation.

Shelf Life After Opening: Multidose Vials: Withdraw single dose of vaccine into separate sterile needle and syringe for each immunization. The vaccine should be administered shortly after withdrawal from the vial. Unused portions of multidose vials may be refrigerated at 35° – 46°F (2° – 8°C) and used until expired, if not contaminated or unless otherwise stated in the manufacturer's product information.

Manufacturer-Filled Syringes: The vaccine should be administered shortly after the needle is attached to the syringe.

TIV:

Trivalent Inactivated Influenza Vaccine

Shipping Requirements: Should be shipped in insulated container. Maintain temperature at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Condition upon Arrival: Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival.

Storage Requirements: Refrigerate immediately upon arrival. Store at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures. Protect Fluarix® and FluLaval™ from light at all times by storing in original package.

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Shelf Life: Formulated for use during current influenza season.

Instructions for Use: Inspect visually for extraneous particulate matter and/or discoloration. If these conditions exist, the vaccine should not be used. Shake vial or manufacturer-filled syringe well before use. Discard vaccine if it cannot be resuspended with thorough agitation.

Shelf Life After

Single-Dose Vials: The vaccine should be administered shortly after withdrawal from the vial.

Multidose Vials: Withdraw single dose of vaccine into separate sterile needle and syringe for each immunization. The vaccine should be administered shortly after withdrawal from the vial. Unused portions of multidose vials may be refrigerated at 35° – 46°F (2° – 8°C) and used until expired, if not contaminated or unless otherwise stated in the manufacturer's product information.

Manufacturer-Filled Syringes: The vaccine should be administered shortly after the needle is attached to the syringe.

LAIV:

Live Attenuated Influenza Vaccine

Shipping Requirements: Initially shipped to authorized distributors in the frozen state 5°F (-15°C). Shipped from the distributor to healthcare facilities in the refrigerated state at 35° – 46°F (2° – 8°C).

Condition upon Arrival: Refrigerate upon arrival.

Storage Requirements: Refrigerate immediately upon arrival. Store at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures. (If LAIV is inadvertently frozen, the vaccine should be moved immediately to the refrigerator and may be used until the expiration date printed on the package.)

Shelf Life: Formulated for use during current influenza season.

Instructions for Use: LAIV is a colorless to pale yellow liquid and is clear to slightly cloudy; some particulates may be present but do not affect the use of the product. After removal of the sprayer from the refrigerator, remove the rubber tip protector. Follow manufacturer's instructions to deliver ½ dose into one nostril. Then remove the dose-divider clip and deliver the remainder of the dose into the other nostril.

Shelf Life After Opening: Single-Dose Sprayer: The vaccine should be administered shortly after removal from the refrigerator.

Special Instructions: Discard sprayers in approved biological waste containers.

MMR:

Measles-Mumps-Rubella Vaccine

MR:

Measles-Rubella Vaccine (No longer distributed in the U.S.)

Measles:

Mumps:

Rubella:

Measles Virus Vaccine

Mumps Virus Vaccine

Rubella Virus Vaccine

Shipping Requirements: Vaccine: Use insulated container. Must be shipped with refrigerant. Maintain at 50°F (10°C) or less. If shipped with dry ice, diluent must be shipped separately. **Diluent:** May be shipped with vaccine, but do not place in container with dry ice.

Condition upon Arrival: Maintain at 50°F (10° C) or less. Do not use warm vaccine. Refrigerate upon arrival.

Storage Requirements: Vaccine: Refrigerate immediately upon arrival. Store at 35° – 46°F (2° – 8°C). Protect from light at all times, since such exposure may inactivate the vaccine viruses.

Diluent: May be refrigerated or stored at room temperature (68° – 77°F [20° – 25°C]). Do not freeze or expose to freezing temperatures. Note: MMR vaccine may be stored in the refrigerator or freezer.

Instructions for Reconstitution and Use: Reconstitute just before using. Use only the diluent supplied to reconstitute the vaccine. Inject diluent into the vial of lyophilized vaccine and agitate to ensure thorough mixing. Withdraw entire contents into syringe and inject total volume of vaccine subcutaneously.

Shelf Life After Reconstitution, Thawing or Opening:

Single-Dose Vials: After reconstitution, use immediately or store at 35° – 46°F (2° – 8°C) and protect from light. **Discard if not used within 8 hours of reconstitution.**

Multidose vials: Withdraw single dose of reconstituted vaccine into separate sterile needle and syringe for each immunization. The vaccine dose should be administered shortly after withdrawal from vial. Unused portions of multidose vials may be refrigerated at 35° – 46°F (2° – 8°C), but must be discarded if not used within 8 hours after reconstitution.

MMRV:

Measles-Mumps-Rubella and Varicella Vaccine

Shipping Requirements: Vaccine: Should be shipped in insulated container. Must be shipped with dry ice only, at 5°F (-15°C) or colder. Should be delivered within 2 days.

Diluent: May be shipped with vaccine, but do not place in container with dry ice.

Condition upon Arrival: Should be frozen. Vaccine should remain at 5°F (-15°C) or colder until arrival at the healthcare facility. Dry ice should still be present in the shipping container when vaccine is delivered.

Storage Requirements: Vaccine: Freeze immediately upon arrival. Maintain vaccine in a continuously frozen state at 5°F (-15°C) or colder. No freeze/thaw cycles are allowed with this vaccine. Vaccine should only be stored in freezers or refrigerator/freezers with separate

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external doors and compartments. Acceptable storage may be achieved in standard household freezers purchased in the last 10 years, and standard household refrigerator/freezers with a separate, sealed freezer compartment. "Dormitory-style units" are not appropriate for the storage of MMRV vaccine. Do not store lyophilized vaccine in the refrigerator. If lyophilized vaccine is inadvertently stored in the refrigerator, it should be used within 72 hours. Lyophilized vaccine stored at 35° – 46°F (2° – 8°C) which is not used within 72 hours should be discarded. Protect the vaccine from light at all times since such exposure may inactivate the vaccine viruses. **Diluent:** May be refrigerated or stored at room temperature (68° – 77°F [20° – 25°C]). Do not freeze or expose to freezing temperatures.

Instructions for Reconstitution and Use: Reconstitute just before use according to the manufacturer's instructions. Use only the diluent supplied to reconstitute the vaccine.

Shelf Life after Reconstitution, Thawing or Opening: Single-Dose Vials: Discard reconstituted vaccine if it is not used within 30 minutes of reconstitution. Do not freeze reconstituted vaccine.

Special Instructions: If this vaccine is stored at a temperature warmer than 5°F (-15°C), it will result in a loss of potency and a reduced shelf life. If a power outage or some other situation occurs that results in the vaccine storage temperature rising above the recommended temperature, the healthcare provider should contact Merck, the vaccine manufacturer, at 1-800-MERCK-90 for an evaluation of the product potency before using the vaccine.

MCV4: Meningococcal Conjugate Vaccine, Groups A, C, Y, W-135

Shipping Requirements: Should be shipped in insulated container. Maintain temperature at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Condition upon Arrival: Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival.

Storage Requirements: Refrigerate immediately upon arrival. Store at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures. Protect from light.

Instructions for Reconstitution and Use: Inspect visually for extraneous particulate matter and/or discoloration. If these conditions exist, the vaccine should not be used. Shake vial or manufacturer-filled syringe well before use. Discard vaccine if it cannot be resuspended with thorough agitation.

Shelf Life After Opening: Single-Dose Vials: The vaccine should be administered shortly after withdrawal from the vial.

Manufacturer-Filled Syringes: The vaccine should be administered shortly after the needle is attached to the syringe.

MPSV4: Meningococcal Polysaccharide Vaccine, Groups A, C, Y, W-135

Shipping Requirements: Should be shipped in insulated container. Maintain temperature at 35° to 46° F (2° to 8° C). Do not freeze or expose to freezing temperatures.

Condition upon Arrival: Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival.

Storage Requirements: Vaccine: Refrigerate immediately upon arrival. Store at 35° – 46°F (2° – 8°C). Do not freeze or expose to freezing temperatures. **Diluent:** May be refrigerated or stored at room temperature (68° – 77°F [20° – 25°C]). Do not freeze or expose to freezing temperatures.

Instructions for Reconstitution and Use: Reconstitute gently. This is a white powder that yields a clear, colorless liquid when reconstituted with 0.6 ml (single-dose vial) or 6 ml (10-dose vial) of sterile distilled water. Use only the diluent supplied to reconstitute the vaccine.

Shelf Life After Reconstitution, Thawing or Opening: Single-Dose Vials: Use within 30 minutes of reconstitution. Multidose Vials: Unused portions of multidose vials may be refrigerated at 35° to 46°F (2° to 8°C) and used up to 35 days after reconstitution.

PCV: Pneumococcal Conjugate Vaccine (7-Valent)

Shipping Requirements: Should be shipped in insulated container. Maintain temperature at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Condition upon Arrival: Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival.

Storage Requirements: Refrigerate immediately upon arrival. Store at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Instructions for Use: Inspect visually for extraneous particulate matter and/or discoloration. If these conditions exist, the vaccine should not be used. Shake vial or manufacturer-filled syringe well before use. Discard vaccine if it cannot be resuspended with thorough agitation.

Shelf Life After Opening: Single-Dose Vials: The vaccine should be administered shortly after withdrawal from the vial.

Manufacturer-Filled Syringes: The vaccine should be administered shortly after the needle is attached to the syringe.

PPV: Pneumococcal Polysaccharide Vaccine (Polyvalent)

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Shipping Requirements: Should be shipped in insulated container. Maintain temperature at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Condition upon Arrival: Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival.

Storage Requirements: Refrigerate immediately upon arrival. Store at 35° to 46°F (2° to 8°C). Do not freeze or expose to freezing temperatures.

Instructions for Use: Inspect visually for extraneous particulate matter and/or discoloration. If these conditions exist, the vaccine should not be used. Shake vial or manufacturer-filled syringe well before use. Discard vaccine if it cannot be resuspended with thorough agitation.

Shelf Life After Reconstitution, Thawing or Opening: Single-Dose Vials: The vaccine should be administered shortly after withdrawal from the vial. Multidose Vials: Unused portions of multidose vials may be refrigerated at 35° to 46°F (2° to 8°C) and used until outdated, if not contaminated.

Rotavirus:

Rotavirus Vaccine

Shipping Requirements: Rota Teq® & Rotarix®: Should be shipped in insulated container. Maintain temperature at 35° – 46°F (2° – 8°C). Do not freeze or expose to freezing temperatures.

Condition upon Arrival: Rota Teq®: Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. **Rotarix®:** Should not have been frozen or exposed to freezing temperatures. Refrigerate lyophilized vaccine upon arrival. The diluent may be stored at a controlled room temperature 20° to 25°C (68° to 77°F).

Storage Requirements: Rota Teq®: Refrigerate immediately upon arrival. Store at 35° – 46°F (2° – 8°C). Do not freeze or expose to freezing temperatures. Protect from light at all times, since such exposure may inactivate the vaccine viruses. **Rotarix®:** Store the vials of lyophilized vaccine in refrigerator at 2° to 8°C (36° to 46°F). The diluent may be stored at a controlled room temperature 20° to 25°C (68° to 77°F). Do not freeze. Discard if the vaccine has been frozen. Protect vials from light.

Instructions for Use: Rota Teq®: Each dose is supplied in a container consisting of a squeezable plastic, latex-free dosing tube with a twist-off cap, allowing for direct oral administration. The dosing tube is contained in a pouch. Remove the dosing tube from the pouch, screw the cap clockwise to puncture the tube, and screw the cap off counter-clockwise so that the liquid can be squeezed from the tube during oral administration of the vaccine. **Rotarix®:** Remove plastic cover from vial of lyophilized vaccine. Connect transfer adapter onto

vial by pushing it downwards until the transfer adapter is properly and securely in place. Shake the oral applicator containing the liquid diluent vigorously. Remove the protective tip cap from the oral applicator. Connect the oral applicator into the transfer adapter by pushing it firmly on the device. Transfer the entire content of the oral applicator into the vial of lyophilized vaccine. With the oral applicator still attached, shake the vial and examine for complete suspension. Withdraw the entire mixture back into the oral applicator. Remove the oral applicator from the transfer adapter. The infant should be seated in a reclining position. Administer orally the entire content of the oral applicator (on the inside of the cheek).

Shelf Life after Opening: Rota Teq®: Pouched Single-Dose Tubes: The vaccine should be administered shortly after withdrawal from the refrigerator. The dosing tube should not be returned to the refrigerator once the screw cap has been removed. **Rotarix®:** Vaccine should be administered within 24 hours of reconstitution. It may be stored refrigerated at 2° to 8°C (36° to 46°F) or at room temperature up to 25°C (77°F), after reconstitution. Discard the reconstituted vaccine if not used within 24 hours in biohazard waste container. Do not freeze. Discard if the vaccine has been frozen.

Special Instructions: All vaccine materials should be disposed of using medical waste disposal procedures.

Varicella:

Varicella (Chickenpox) Vaccine

Shipping Requirements: Vaccine: Use insulated container. Must be shipped with dry ice only, at 4°F (-20°C) or colder. Should be delivered within 2 days. Diluent: May be shipped with vaccine, but do not place in container with dry ice.

Condition upon Arrival: Should be frozen. Vaccine should remain at 4°F (-20°C) or colder until arrival at the healthcare facility. Dry ice should still be present in the shipping container when vaccine is delivered.

Storage Requirements: Vaccine: Freeze immediately upon arrival. Maintain vaccine in a continuously frozen state at 5°F (-15°C) or colder until vaccine is reconstituted for injection. Any freezer, including frost-free, that has a separate sealed freezer door and reliably maintains an average temperature of -15°C or colder is acceptable for storing these vaccines. Store diluents at room temperature or in the refrigerator (do not freeze diluents). "Dormitory-style" units are not appropriate for the storage of Varicella vaccine.

Instructions for Reconstitution and Use: Reconstitute just before using. Use only the diluent supplied to reconstitute the vaccine.

Shelf Life After Reconstitution, Thawing or Opening: Protect from light. Discard if not used within 30 minutes of reconstitution.

Special Instructions: If Varicella vaccine is stored at a temperature

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warmer than 5°F (-15°C), contact Merck at 1-800-609-4618 for a reevaluation of the product potency before using the vaccine.

Zoster:

Zoster Vaccine

Shipping Requirements: Vaccine: Should be shipped in insulated container. Must be shipped with dry ice only, at 5°F (-15°C) or colder. Should be delivered within 2 days. Diluent: May be shipped with vaccine, but do not place in container with dry ice.

Condition upon Arrival: Should be frozen. Vaccine should remain at 5°F (-15°C) or colder until arrival at the healthcare facility. Dry ice should still be present in the shipping container when vaccine is delivered.

If you have questions about the condition of the material at the time of delivery, you should 1) immediately place material in recommended storage; and 2) then follow the immunization program policy and contact the immunization program for guidance.

Storage Requirements: Vaccine: Freeze immediately upon arrival. Maintain vaccine in a continuously frozen state at 5°F (-15°C) or colder. No freeze/thaw cycles are allowed with this vaccine. Vaccine should only be stored in freezers or refrigerator/freezers with separate external doors and compartments. Acceptable storage may be achieved in standard household freezers purchased in the last 10 years, and standard household refrigerator/freezers with a separate, sealed freezer compartment. "Dormitory-style units" are not appropriate for the storage of zoster vaccine. Do not store lyophilized vaccine in the refrigerator. Protect the vaccine from light at all times since such exposure may inactivate the vaccine virus.

Diluent: May be refrigerated or stored at room temperature (68° – 77°F [20° – 25°C]). Do not freeze or expose to freezing temperatures.

Instructions for Reconstitution and Use: Reconstitute just before use according to the manufacturer's instructions. Use only the diluent supplied to reconstitute the vaccine.

Shelf Life after Reconstitution, Thawing or Opening: Single-Dose Vials: Discard reconstituted vaccine if it is not used within 30 minutes of reconstitution. Do not freeze reconstituted vaccine.

Special Instructions: If this vaccine is stored at a temperature warmer than 5°F (-15°C), it will result in a loss of potency and a reduced shelf life. If a power outage or some other situation occurs that results in the vaccine storage temperature rising above the recommended temperature, the healthcare provider should contact Merck, the vaccine manufacturer, at 1-800-MERCK-90 for an evaluation of the product potency before using the vaccine.