

# VACCINE MANAGEMENT

## Recommendations for Handling and Storage of Selected Biologicals

(These recommendations are not a substitute for the package insert included with each different biologic.)

### • DT-Pediatric: Diphtheria, Tetanus Toxoids • Td-Adult: Tetanus, Diphtheria Toxoids

<p><b>Shipping Requirements:</b> Should be shipped in insulated container. Maintain temperature at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Condition upon Arrival*:</b> Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p> <p><b>Storage Requirements:</b> Refrigerate immediately upon arrival. Store at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Shelf Life:</b> Check expiration date on vial or container.</p> <p><b>Instructions for Use:</b> Shake vial vigorously before withdrawal and use. Follow manufacturer's directions.</p>	<p>2) notify your health service region.</p> <p><b>Shelf Life after Opening:</b> The vaccine should be administered shortly after withdrawal from the vial. Unused portions of multidose vials may be refrigerated at 36° to 46° F (2° to 8° C) and used until outdated, if not contaminated.</p> <p><b>Special Instructions:</b> Rotate stock so that the earliest dated material is used first.</p>
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### • DTaP - Pediatric: Diphtheria Toxoid, Tetanus Toxoid, Acellular Pertussis Vaccine • DTaP/Hib - Pediatric: Diphtheria Toxoid, Tetanus Toxoid, Acellular Pertussis Vaccine Combined with *Haemophilus influenzae* type b Conjugate Vaccine\* • DTaP/HepB/IPV - Pediatric: Diphtheria Toxoid, Tetanus Toxoid, Acellular Pertussis Vaccine, Hepatitis B Vaccine, Inactivated Polio Vaccine • Tdap - Adult: Tetanus Toxoid, Diphtheria Toxoid, Acellular Pertussis Vaccine

<p><b>Shipping Requirements:</b> Should be shipped in insulated container. Maintain temperature at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Condition upon Arrival*:</b> Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p> <p><b>Storage Requirements:</b> Refrigerate immediately upon arrival. Store at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p>	<p><b>Shelf Life:</b> Check expiration date on vial, container, or manufacturer-filled syringe.</p> <p><b>Instructions for Reconstitution** and Use:</b> Shake well before withdrawal and use. Do not use if resuspension does not occur with vigorous shaking. Follow manufacturer's directions.</p> <p><b>Shelf Life after Reconstitution** or Opening:</b> <b>Single-Dose Vials:</b> The vaccine should be administered shortly after withdrawal from the vial. <b>Manufacturer-Filled Syringes:</b> The vaccine should be administered shortly after the needle is attached to the syringe.</p> <p><b>Special Instructions:</b> Rotate stock so that the earliest dated material is used first.</p>	<p>** ActHIB® (sanofi pasteur) should be used within 24 hours of reconstitution if used alone. If sanofi pasteur DTaP 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. Sanofi pasteur DAPTACEL® is not licensed for use in reconstitution of ActHIB®.</p>
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### Hepatitis Vaccines: Hepatitis A, Hepatitis B, Hepatitis A/B, Hepatitis B/*Haemophilus influenzae* type b

<p><b>Shipping Requirements:</b> Should be shipped in insulated container. Maintain temperature at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Condition upon Arrival*:</b> Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p>	<p><b>Storage Requirements:</b> Refrigerate immediately upon arrival. Store at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Shelf Life:</b> Check expiration date on vial, container, or manufacturer-filled syringe.</p> <p><b>Instructions for Use:</b> Shake vial vigorously before withdrawal and use. Follow manufacturer's directions.</p>	<p><b>Shelf Life after Opening:</b> <b>Single-Dose Vials:</b> The vaccine should be administered shortly after withdrawal from the vial. <b>Manufacturer-Filled Syringes:</b> The vaccine should be administered shortly after the needle is attached to the syringe.</p> <p><b>Special Instructions:</b> Rotate stock so that the earliest dated material is used first.</p>
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### Hib: *Haemophilus influenzae* type b Conjugate Vaccine

<p><b>Shipping Requirements:</b> Should be shipped in insulated container. Maintain temperature at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Condition upon Arrival*:</b> Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p> <p><b>Storage Requirements:</b> Refrigerate immediately upon arrival.</p>	<p>Store at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Shelf Life:</b> Check expiration date on vial or container.</p> <p><b>Instructions for Reconstitution** and Use:</b> Shake vial vigorously before withdrawal and use. Do not use if resuspension does not occur with vigorous shaking. Follow manufacturer's directions.</p> <p><b>Shelf Life after Reconstitution** or Opening:</b> The vaccine should be administered shortly after withdrawal from the vial.</p>	<p>** ACTHIB® (sanofi pasteur) should be used within 24 hours of reconstitution if used alone. If sanofi pasteur DTaP 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. sanofi pasteur DAPTACEL® is not licensed for use in reconstitution of ActHIB®.</p> <p><b>Special Instructions:</b> Rotate stock so that the earliest dated material is used first.</p>
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### HPV: Human Papillomavirus Vaccine

<p><b>Shipping Requirements:</b> Should be shipped in insulated container. Maintain temperature at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Condition upon Arrival*:</b> Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p>	<p>1) immediately place material in recommended storage; and 2) notify your health service region.</p> <p><b>Storage Requirements:</b> Refrigerate immediately upon arrival. Store at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Shelf Life:</b> Check expiration date on vial or container.</p> <p><b>Instructions for Use:</b> <b>Multidose Vials:</b> Shake vial vigorously before withdrawal and use. Follow manufacturer's directions.</p>	<p><b>Instructions for Use:</b> Administered as soon as possible after being removed from refrigeration. Follow manufacturer's directions.</p> <p><b>Shelf Life after Opening:</b> Use until outdated, if not contaminated.</p> <p><b>Special Instructions:</b> Rotate stock so that the earliest dated material is used first.</p>
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### IPV: Inactivated Polio Vaccine

<p><b>Shipping Requirements:</b> Should be shipped in insulated container. Maintain temperature at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Condition upon Arrival*:</b> Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p>	<p>2) notify your health service region.</p> <p><b>Storage Requirements:</b> Refrigerate immediately upon arrival. Store at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Shelf Life:</b> Check expiration date on vial or container.</p> <p><b>Instructions for Use:</b> <b>Multidose Vials:</b> Shake vial vigorously before withdrawal and use. Follow manufacturer's directions.</p>	<p><b>Shelf Life after Opening:</b> The vaccine should be administered shortly after withdrawal from the vial. <b>Multidose Vials:</b> Unused portions of multidose vials may be refrigerated at 36° to 46° F (2° to 8° C) and used until outdated, if not contaminated.</p> <p><b>Special Instructions:</b> Rotate stock so that the earliest dated material is used first.</p>
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### • MMR: Measles/Mumps/Rubella Vaccine, • MR: Measles/Rubella Vaccine, • Measles Virus Vaccine, • Mumps Virus Vaccine, • Rubella Virus Vaccine

<p><b>Shipping Requirements:</b> <b>Vaccine</b> - Use insulated container. Must be shipped with refrigerant. Maintain at 50° F (10° C) or colder. Freezing will not affect potency. If shipped with dry ice, diluent must be shipped separately. <b>Diluent</b> - May be shipped with vaccine, but do not place in container with dry ice.</p> <p><b>Condition upon Arrival*:</b> Maintain at 50° F (10° C) or colder. <b>Do not use warm vaccine.</b> Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p> <p><b>Storage Requirements:</b> Vaccine may be stored separately</p>	<p>from diluent. Store as follows: <b>Vaccine:</b> Refrigerate immediately upon arrival. Store at 36° to 46° F (2° to 8° C). Protect from light at all times, since such exposure may inactivate the virus. <b>Diluent:</b> May be refrigerated or stored at room temperature 68° to 77° F (20° to 25° C). Do not freeze or expose to freezing temperatures.</p> <p>NOTE: Freeze-dried (lyophilized) MMR vaccine may be maintained at freezer temperatures.</p> <p><b>Shelf Life:</b> Check expiration date on vial or container.</p> <p><b>Instructions for Reconstitution and Use:</b> Reconstitute just before using. Use only the diluent supplied to</p>	<p>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. Follow manufacturer's directions.</p> <p><b>Shelf Life after Reconstitution, Thawing, or Opening:</b> After reconstitution, use immediately or store in a dark place at 36° to 46° F (2° to 8° C). <b>Discard if not used within 8 hours.</b></p> <p><b>Special Instructions:</b> Rotate stock so that the earliest dated material is used first.</p> <p>NOTE: All materials used for administering live virus vaccines should be burned, boiled, or autoclaved prior to disposal.</p>
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### •MMRV: Measles/Mumps/Rubella/Varicella Vaccine • Varicella (Chickenpox) Vaccine

<p><b>Shipping Requirements:</b> <b>Vaccine:</b> Use insulated container. Must be shipped with dry ice only, at 4° F (-20° C) or colder. Should be delivered within 2 days.</p> <p><b>Diluent:</b> May be shipped with vaccine, but do not place in container with dry ice.</p> <p><b>Conditions upon Arrival*:</b> 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. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p> <p><b>Storage Requirements:</b> <b>Vaccine:</b> Freeze immediately upon arrival. Maintain vaccine in a continuously frozen state at 5° F (-15° C) or colder. <b>No freeze/thaw cycles are allowed with this vaccine.</b> Vaccine should only be stored in freezers or refrigerator/freezers with separate doors and compartments. Acceptable storage may be achieved in standard</p>	<p>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 varicella vaccine.</p> <p>In order to maintain temperatures of 5° F (-15° C) or colder, it will be necessary in most refrigerator/freezer models to turn the temperature dial down to the coldest setting. This may result in the refrigerator compartment temperature being lowered as well. Careful monitoring of the refrigerator temperature will be necessary to avoid freezing killed or inactivated vaccines.</p> <p><b>Diluent:</b> May be refrigerated or stored at room temperature 68° F to 77° F (20° to 25° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Shelf Life:</b> Check expiration date on vial or container.</p> <p><b>Instructions for Reconstitution and Use:</b> Reconstitute just before using. Use only the diluent supplied to</p>	<p>reconstitute the vaccine. Follow manufacturer's directions.</p> <p><b>Shelf Life after Reconstitution, Thawing, or Opening:</b> Protect from light. Discard if not used within <b>30 minutes</b> of reconstitution.</p> <p><b>Special Instructions:</b> 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 1-800-609-4618 for a reevaluation of the product's potency before using the vaccine.</p> <p>Rotate stock so that the earliest dated material is used first.</p> <p>NOTE: all materials used for administering live virus vaccines should be burned, boiled, or autoclaved prior to disposal.</p>
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### MCV4: Meningococcal Conjugate Vaccine: Groups A, C, Y, W-135

<p><b>Shipping Requirements:</b> Should be shipped in insulated container. Maintain temperature at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Condition upon Arrival*:</b> Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p>	<p><b>Storage Requirements:</b> Refrigerate immediately upon arrival. Store at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures. Protect from light.</b></p> <p><b>Shelf Life:</b> Check expiration date on vial or container.</p> <p><b>Instructions for Use:</b> Follow manufacturer's directions.</p>	<p><b>Shelf Life after Opening:</b> The vaccine should be administered shortly after withdrawal from the vial.</p> <p><b>Special Instructions:</b> Rotate stock so that the earliest dated material is used first. Vaccine should be injected by the intramuscular route. Do not inject intradermally, subcutaneously, or intravenously.</p>
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### MPSV4: Meningococcal Polysaccharide Vaccine: Groups A, C, Y, W-135

<p><b>Shipping Requirements:</b> Should be shipped in insulated container. Maintain temperature at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Condition upon Arrival*:</b> Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p> <p><b>Storage Requirements:</b> Refrigerate immediately upon arrival. Store at 36° to 46° F</p>	<p>(2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Shelf Life:</b> Check expiration date on vial or container.</p> <p><b>Instructions for Reconstitution and Use:</b> 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. Follow manufacturer's directions.</p> <p><b>Shelf Life after Reconstitution or Opening:</b> <b>Single-Dose Vials:</b> Use within 30 minutes of reconstitution.</p>	<p><b>Multidose Vials:</b> Unused portions of multidose vials may be refrigerated at 36° to 46° F (2° to 8° C) and used up to 35 days after reconstitution.</p> <p><b>Special Instructions:</b> Diluent to be used is sterile, distilled water for injection; diluent for 10-dose vial also contains 0.01% thimerosal. Reconstituted vaccine should be injected subcutaneously. Do not inject intradermally, intramuscularly, or intravenously.</p> <p>Rotate stock so that the earliest dated material is used first.</p>
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### PCV7: Pneumococcal Conjugate Vaccine (7-Valent)

<p><b>Shipping Requirements:</b> Should be shipped in insulated container. Maintain temperature at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Condition upon Arrival*:</b> Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p>	<p><b>Storage Requirements:</b> Refrigerate immediately upon arrival. Store at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Shelf Life:</b> Check expiration date on vial or container.</p> <p><b>Instructions for Use:</b> Vaccine should appear as a homogenous white suspension after vigorous shaking. The vaccine should be administered intramuscularly only. Follow manufacturer's directions.</p>	<p><b>Shelf Life after Opening:</b> The vaccine should be administered shortly after withdrawal from the vial.</p> <p><b>Special Instructions:</b> This vaccine is a suspension containing adjuvant and should not be used if the particles cannot be resuspended after vigorous shaking.</p> <p>Rotate stock so that the earliest dated material is used first.</p>
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### PPV23: Pneumococcal Polysaccharide Vaccine (Polyvalent)

<p><b>Shipping Requirements:</b> Should be shipped in insulated container. Maintain temperature at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Condition upon Arrival*:</b> Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p>	<p><b>Storage Requirements:</b> Refrigerate immediately upon arrival. Store at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Shelf Life:</b> Check expiration date on vial or container.</p> <p><b>Instructions for Use:</b> Follow manufacturer's directions.</p> <p><b>Shelf Life After Opening:</b> <b>Single-Dose Vials:</b> The vaccine should be administered shortly after withdrawal from the vial.</p>	<p><b>Multidose Vials:</b> Unused portions of multidose vials may be refrigerated at 35° to 46° F (2° to 8° C) and used until outdated, if not contaminated.</p> <p><b>Special Instructions:</b> Do not inject intravenously. Intradermal administration may cause severe local reactions and should be avoided.</p> <p>Rotate stock so that the earliest dated material is used first.</p>
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### Rotavirus Vaccine

<p><b>Shipping Requirements:</b> Should be shipped in insulated container. Maintain temperature at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Condition upon Arrival*:</b> Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should:</p>	<p>1) immediately place material in recommended storage; and 2) notify your health service region.</p> <p><b>Storage Requirements:</b> Refrigerate immediately upon arrival. Store at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b> Protect from light.</p> <p><b>Shelf Life:</b> Check expiration date on tube or container.</p>	<p><b>Instructions for Use:</b> Administered as soon as possible after being removed from refrigeration. Follow manufacturer's directions.</p> <p><b>Shelf Life after Opening:</b> After opening use immediately</p> <p><b>Special Instructions:</b> Rotate stock so that the earliest dated material is used first.</p>
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### TIV: Trivalent Inactivated Influenza Vaccine

<p><b>Shipping Requirements:</b> Should be shipped in insulated container. Maintain temperature at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Condition upon Arrival*:</b> Should not have been frozen or exposed to freezing temperatures. Refrigerate upon arrival. * If you have any questions about the condition of the material at the time of delivery, you should: 1) immediately place material in recommended storage; and 2) notify your health service region.</p>	<p><b>Storage Requirements:</b> Refrigerate immediately upon arrival. Store at 36° to 46° F (2° to 8° C). <b>Do not freeze or expose to freezing temperatures.</b></p> <p><b>Shelf Life:</b> Formulated for use during current influenza season.</p> <p><b>Instructions for Use:</b> Shake vial vigorously before withdrawal and use. Follow manufacturer's directions.</p>	<p><b>Shelf Life after Opening:</b> <b>Multidose Vials:</b> The vaccine should be administered shortly after withdrawal from the vial. Unused portions of multidose vials may be refrigerated at 36° to 46° F (2° to 8° C) and used until outdated, if not contaminated. <b>Manufacturer-Filled Syringes:</b> Sterile until removal of hub cap.</p> <p><b>Special Instructions:</b> Rotate stock so that the earliest dated material is used first.</p>
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## Texas Vaccines For Children (TVFC) Program Health Service Regional Contacts

<p><b>Health Service Region 1</b> Immunization Program 1109 Kemper Lubbock, Texas 79403 (806) 744-3577</p>	<p><b>Health Service Regions 2 &amp; 3</b> Immunization Program 1301 South Bowen Rd., Suite 200 Arlington, Texas 76013-2262 (817) 264-4793</p>	<p><b>Health Service Regions 4 &amp; 5 North</b> Immunization Program 1517 E. Front Street Tyler, Texas 75702 (903) 533-5368</p>	<p><b>Health Service Regions 6 &amp; 5 South</b> Immunization Program 5425 Polk, Suite J Houston, Texas 77023 (713) 767-3454</p>	<p><b>Health Service Region 7</b> Immunization Program 2408 South 37th Street Temple, Texas 76504-7168 (254) 778-6744</p>	<p><b>Health Service Region 8</b> Immunization Program 2201 E. Main, Ste. A Uvalde, Texas 78801 (830) 278-7151 Ext. 4386</p>
<p><b>Health Service Regions 9 &amp; 10</b> Immunization Program 2301 N. Big Spring Suite 300 Midland, Texas 79705-7649 (432) 683-9492</p>	<p><b>Health Service Region 11</b> Immunization Program 601 W. Sesame Drive Harlingen, Texas 78550 (956) 423-0130</p>				

Adapted from:  

- Department of Health and Human Services. Centers for Disease Control and Prevention. Vaccine Management. Recommendations for Storage and Handling of Selected Biologicals, June 2005. [www.cdc.gov/nip/publications/vac\\_mgt\\_book.htm](http://www.cdc.gov/nip/publications/vac_mgt_book.htm) (accessed November 1, 2006).
- MERCK & Co., Inc. GARDASIL® [Quadrivalent Human Papillomavirus (Types 6, 11, 16, 18) Recombinant Vaccine] (Whitehouse Station, NJ, June 2006). [www.merck.com/product/usa/pi\\_circulars/g/gardasil/gardasil\\_pi.pdf](http://www.merck.com/product/usa/pi_circulars/g/gardasil/gardasil_pi.pdf) (accessed November 1, 2006).
- MERCK & Co., Inc. RotaTeq® [Rotavirus Vaccine, Live, Oral, Pentavalent] (Whitehouse Station, NJ, February 2006). [www.merck.com/product/usa/pi\\_circulars/r/rotateq/rotateq\\_pi.pdf](http://www.merck.com/product/usa/pi_circulars/r/rotateq/rotateq_pi.pdf) (accessed November 1, 2006).
- MERCK & Co., Inc. ProQuad® [Measles, Mumps, Rubella and Varicella (Oka/Merck) Virus Vaccine Live] (Whitehouse Station, NJ, July 2006). [www.merck.com/product/usa/pi\\_circulars/p/proquad/proquad\\_pi.pdf](http://www.merck.com/product/usa/pi_circulars/p/proquad/proquad_pi.pdf) (accessed November 1, 2006).