

Typhoid Vaccine Biological Page

Section 7:	Biological Product Information			Standard #: 07.340
Created by:	Province-wide Immunization Program Standards and Quality			
Approved by:	Province-wide Immunization Program, Standards and Quality			
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	Typherix®	Typhim Vi®			
Manufacturer	GlaxoSmithKline Inc.	Sanofi Pasteur Limited			
Biological Classification	Inactivated: Polysaccharide				
Indications for Provincially Funded Vaccine Schedule	Individuals 2 years of age and older who are: • household or intimate contacts of typhoid carriers • laboratory workers who regularly manipulate Salmonella typhi organism Primary series for eligible individuals • One dose of 0.5 mL				
	Reinforcing dose • 0.5 mL every 3 years for those at continued risk of exposure				
Preferred Use	 There will be no preference indicated for the use of typhoid vaccine in specific age groups or risk groups. Both vaccines are safe and immunogenic in individuals 2 years of age and older Individuals with medical contraindications to one product should be offered the alternate product if supply is available. 				
Dose	0.5 mL				
Route	IM				
Contraindications/ Precautions	 Contraindications: Known severe hypersensitivity to any component of the vaccine or to a previous dose of this vaccine. Anaphylaxis to any component of the vaccine or to a previous dose of this vaccine. Acute, severe febrile illness. Precautions: None identified. 				
Possible Reactions	 Common Redness, swelling and pain at the injection site Fever, headache, general aches, malaise, nausea, vomiting, diarrhea, itching Rare Anaphylaxis, allergic reactions As with any immunization, unexpected or unusual side effects can occur. Refer to the product monograph for more detailed information. 				
Pregnancy	Adequate data is not available for the use of typhoid vaccine during pregnancy and therefore will not routinely be recommended in Alberta for pregnant women. However, use of this vaccine during pregnancy may be considered in consultation with your MOH/designate based on the individual's risk of disease versus benefit of the vaccine.				
Lactation	Typhoid vaccine may be considered in consultation with your MOH/designate based on the individual's risk of disease versus benefit of the vaccine				

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Composition	 Each 0.5mL dose contains: 25mcg of the Vi polysaccharide of Salmonella typhi Sodium chloride Sodium phosphate dihydrate Disodium phosphate dihydrate Phenol Water for injection 	 Each 0.5 mL dose contains: 25mcg of the Vi polysaccharide of Salmonella typhi Phenol Isotonic buffer solution 			
Blood/Blood Products	Does not contain any human blood/blood products.				
Bovine/Porcine Products	Bovine-derived materials are components in the production of this vaccine. While bovine cells are removed during purification of the vaccine, trace amounts may remain in the final product.				
Latex	Does not contain latex.				
Interchangeability	Typhoid vaccines can be used interchangeably provided the appropriate dose and schedule recommended by the manufacturer are used.				
Administration with Other Products	 May be given at the same time as other inactivated and live vaccine using a separate needle and syringe for each vaccine. The same limb may be used if necessary, but different sites on the limb must be chosen. 				
Appearance	Clear colourless liquid	Clear colourless liquid			
Storage	 Store at +2° to +8°C Do not freeze Do not use beyond the labeled expiry date Store in original packaging when possible to protect from light 				
Vaccine Code	TYVI				
Antigen Code	TY				
Licensed for	Persons two years of age and older.				
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Notes:

Injectable typhoid vaccine became available in Alberta in January 2004.

Related Resources:

Typhoid Vaccine Information Sheet (October 29, 2014)

References:

- Alberta Health, Family and Population Health Division, Alberta Immunization Policy (2015 February 10). Typhoid. Vaccine: Typherix®
- ^{2.} Alberta Health, Family and Population Health Division, Alberta Immunization Policy (2015 February 10). *Typhoid.Vaccine: Typhim Vi*®
- Alberta Health Acute Care and Population Health Division. (January 2014). Adverse Events Following Immunization (AEFI) Policy for Alberta Health Services Public Health.
- ^{4.} American Academy of Pediatrics. Summaries of Infectious Diseases. In: Pickering LK, Baker CJ, Kimberlin DW, Long SS, eds. *Red Book: 2012 Report of the Committee on Infectious Diseases*. 28th ed. Elk Grove Village, IL: American Academy of Pediatrics: pp. 635-639.
- Centers for Disease Control and Prevention. (2011, January). General Recommendations on Immunization: Recommendations of the Advisory Committee on Immunization Practices (ACIP). Morbidity and Mortality Weekly Report, 60(2).
- ^{6.} Centers for Disease Control and Prevention. (2011, April). Epidemiology and Prevention of Vaccine-Preventable Diseases 12th Edition (Pink Book).
- GlaxoSmithKline Inc. (2014, February 10). TYPHERIX[®]: Salmonella typhi Vi Capsular Polysaccharide Vaccine. *Product monograph.*
- 8. Sanofi Pasteur Limited (2013, November). TYPHIM Vi®: *Salmonella typhi* Vi Capsular Polysaccharide Vaccine. *Product monograph*.

Typherix® Typhim Vi®

⁹ GlaxoSmithKlineInc. (2012, September 10). Personal communication from manufacturer.

National Advisory Committee on Immunization. (2012). Canadian immunization guide (Evergreen Edition).
 Ottawa, ON: Public Health Agency of Canada. http://www.phac-aspc.gc.ca/publicat/cig-gci/