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| <b>Section 7</b>               | Biological Product Information  | <b>Standard # 07.340</b>          |
| <b>Created and approved by</b> | Provincial Immunization Program |                                   |
| <b>Approval date</b>           | March 1, 2013                   | <b>Published</b> January 30, 2026 |

|                                                    | <b>Typherix</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Typhim Vi</b>       |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>Manufacturer</b>                                | GlaxoSmithKline Inc.                                                                                                                                                                                                                                                                                                                                                                                                                            | Sanofi Pasteur Limited |
| <b>Classification</b>                              | Inactivated: Polysaccharide                                                                                                                                                                                                                                                                                                                                                                                                                     |                        |
| <b>Indications for Provincially Funded Vaccine</b> | <b>Individuals 2 years of age and older who are:</b> <ul style="list-style-type: none"> <li>Household or intimate contacts of a typhoid carrier. Refer to the most recent version of the Alberta Public Health Disease Management Guidelines – <a href="https://www.alberta.ca/typhoid-fever">Typhoid Fever (alberta.ca)</a></li> <li>Laboratory workers who regularly manipulate Salmonella typhi organism.</li> </ul>                         |                        |
| <b>Schedule</b>                                    | <b>Primary series for eligible individuals</b> <ul style="list-style-type: none"> <li>1 dose</li> </ul> <b>Reinforcing dose</b> <ul style="list-style-type: none"> <li>Every 3 years for individuals at continued risk</li> </ul>                                                                                                                                                                                                               |                        |
| <b>Preferred Use</b>                               | None. <ul style="list-style-type: none"> <li>Both vaccines are safe and immunogenic in individuals 2 years of age and older.</li> <li>Offer the alternate product, if supply is available, to individuals with medical contraindications to one product.</li> </ul>                                                                                                                                                                             |                        |
| <b>Dose</b>                                        | 0.5 mL                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |
| <b>Route</b>                                       | IM                                                                                                                                                                                                                                                                                                                                                                                                                                              |                        |
| <b>Contraindications/Precautions</b>               | <b>Contraindications:</b> <ul style="list-style-type: none"> <li>Known severe hypersensitivity to any component of the vaccine or to a previous dose of this vaccine.</li> <li>Anaphylaxis to any component of the vaccine or to a previous dose of this vaccine.</li> </ul> <b>Precautions:</b> <ul style="list-style-type: none"> <li>None.</li> </ul>                                                                                        |                        |
| <b>Possible Reactions</b>                          | <b>Common:</b> <ul style="list-style-type: none"> <li>Redness, swelling and pain at the injection site</li> <li>Fever, headache, myalgia, malaise, nausea, vomiting, diarrhea, itching</li> </ul> <b>Rare:</b> <ul style="list-style-type: none"> <li>Anaphylaxis, allergic reactions</li> <li>As with any immunization, unexpected or unusual side effects can occur. Refer to the product monograph for more detailed information.</li> </ul> |                        |
| <b>Pregnancy</b>                                   | Consult with the MOH/designate. <ul style="list-style-type: none"> <li>No information is available on safe use during in pregnancy; however, there is no theoretical reason to suspect an increased risk from inactivated vaccines.</li> </ul>                                                                                                                                                                                                  |                        |

|                                           | Typherox                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Typhim Vi                                                                                                                                                                                       |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                           | <ul style="list-style-type: none"> <li>Consider vaccine for individuals who are pregnant when indicated</li> </ul>                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                 |
| <b>Lactation</b>                          | <p>Consult with the MOH/designate.</p> <ul style="list-style-type: none"> <li>No information is available on safe use during lactation. There is no theoretical reason to suspect an increased risk from inactivated vaccines.</li> <li>Consider on a case-by-case basis for people whose breast milk is being fed to an infant/child. Although there are no data, it is reasonable to assume that inactivated typhoid vaccine could be used safely in breastfeeding individuals.</li> </ul> |                                                                                                                                                                                                 |
| <b>Composition</b>                        | <p>Each 0.5mL dose contains:</p> <ul style="list-style-type: none"> <li>25mcg of the Vi polysaccharide of <i>Salmonella typhi</i></li> <li>Sodium chloride</li> <li>Sodium phosphate dihydrate</li> <li>Disodium phosphate dihydrate</li> <li>Phenol</li> <li>Water for injection</li> </ul>                                                                                                                                                                                                 | <p>Each 0.5 mL dose contains:</p> <ul style="list-style-type: none"> <li>25mcg of the Vi polysaccharide of <i>Salmonella typhi</i></li> <li>Phenol</li> <li>Isotonic buffer solution</li> </ul> |
| <b>Blood/Blood Products</b>               | Does not contain any human blood/blood products.                                                                                                                                                                                                                                                                                                                                                                                                                                             | Does not contain any human blood/blood products.                                                                                                                                                |
| <b>Bovine/Porcine Products</b>            | <p><b>Bovine Products:</b></p> <ul style="list-style-type: none"> <li>Bovine-derived materials are components in the production of this vaccine.</li> <li>Bovine cells are removed during purification of the vaccine. Trace amounts may remain in the final product.</li> </ul> <p><b>Porcine Products:</b></p> <ul style="list-style-type: none"> <li>Does not contain porcine products.</li> </ul>                                                                                        | Does not contain bovine or porcine products.                                                                                                                                                    |
| <b>Latex</b>                              | Does not contain latex.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Does not contain latex.                                                                                                                                                                         |
| <b>Interchangeability</b>                 | <p>Typhoid vaccines can be used interchangeably.</p> <ul style="list-style-type: none"> <li>Use the manufacturer recommended dose and schedule.</li> </ul>                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                 |
| <b>Administration with Other Products</b> | <p>May be given at the same time as other inactivated and live vaccine.</p> <ul style="list-style-type: none"> <li>Use a separate needle and syringe for each vaccine.</li> <li>The same limb may be used if necessary but use different sites on the limb.</li> </ul>                                                                                                                                                                                                                       |                                                                                                                                                                                                 |
| <b>Preparation</b>                        | None. Follow the <a href="#">Standard for the Administration of Immunizations</a> .                                                                                                                                                                                                                                                                                                                                                                                                          | Shake the pre-filled syringe well to uniformly distribute the solution before administration.                                                                                                   |
| <b>Appearance</b>                         | Clear colorless liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Clear colorless liquid                                                                                                                                                                          |
| <b>Storage</b>                            | <ul style="list-style-type: none"> <li>Store at +2° to +8°C.</li> <li>Do not freeze.</li> <li>Do not use beyond the labeled expiry date.</li> <li>Store in original packaging to protect from light.</li> </ul>                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                 |
| <b>Vaccine Code</b>                       | TYVI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                 |
| <b>Antigen Code</b>                       | TY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                 |
| <b>Licensed for</b>                       | Individuals 2 years of age and older.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                 |
| <b>Notes</b>                              | 2004-January: Injectable typhoid vaccine became available in Alberta.                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                 |

|                   | Typherix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Typhim Vi |
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| Related Resources | Typhoid Vaccine Information Sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |
| References        | <p>GlaxoSmithKline Inc. (2014, February 10). TYPHERIX: Salmonella typhi Vi Capsular Polysaccharide Vaccine. Health Canada drug product database. <a href="https://pdf.hres.ca/dpd_pm/00023826.PDF">https://pdf.hres.ca/dpd_pm/00023826.PDF</a></p> <p>Primary and Preventative Health Services. (2026, January). Adverse Events Following Immunization (AEFI) Policy for Alberta Immunization Providers. In <i>Alberta Immunization Policy: Adverse events – immunization</i>. Government of Alberta.</p> <p>Primary and Preventative Health Services. (2015, February 10). Typhoid Vaccine: In <i>Alberta Immunization Policy: Biological products</i>. Government of Alberta.</p> <p>Primary and Preventative Health Services. Typhoid (2021, October). In <i>Alberta Public Health Disease Management Guidelines</i>. Government of Alberta.</p> <p>Public Health Agency of Canada. (2024, September 3). <i>Canadian Immunization Guide</i>. Government of Canada.</p> <p>Sanofi Pasteur Limited (2024, March 8). TYPHIM Vi: Salmonella typhi Vi Capsular Polysaccharide Vaccine. Health Canada drug product database. <a href="https://pdf.hres.ca/dpd_pm/00074892.PDF">https://pdf.hres.ca/dpd_pm/00074892.PDF</a></p> |           |