



# **Yukon Immunization Program Manual**

## **Section 8 - Biological Products**

### **Polio Vaccine**





## SECTION 8 – BIOLOGICAL PRODUCTS

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2019 August	
Polio Vaccine (Inactivated) (Imovax ®Polio) (vero cell origin)	
Supplier: Sanofi Pasteur	
INDICATIONS	INITIAL SERIES <sup>④</sup>
<p><b>Provided free to:</b></p> <p><b>(1)</b> Infants and children &lt; 4 years of age who do not require diphtheria, pertussis, tetanus, or Hib.</p>	<p><b>(1) Infants and children &lt; 4 years of age:</b> Dose 1: 0.5 ml SC Dose 2: 0.5 ml SC give 4 to 8 weeks after dose 1 Dose 3: 0.5 ml SC give 24 weeks-12 months after dose 2 Dose 4: 0.5 ml SC at school entry (this dose is not necessary if dose 3 was given on or after the 4<sup>th</sup> birthday)</p>
<p><b>(2)</b> Children ≥ 4 years and ≤ 17 years of age who do require polio immunization</p>	<p><b>(2) Individuals ≥ 4 years of age:</b> Dose 1: 0.5 ml SC Dose 2: 0.5 ml SC give 4 to 8 weeks after dose 1 Dose 3: 0.5 ml SC give 24 weeks-12 months after dose 2</p> <p>Note: Give 1 dose 0.5 ml SC to children ≥ 7 years of age who have not received a polio booster on or after their 4<sup>th</sup> birthday</p>
<p><b>(3)</b> Adults who have previously received less than a full primary course of IPV or OPV regardless of interval since the last dose, should receive the remaining doses. <sup>① ④</sup></p>	<p><b>(3) Use schedule above as appropriate based on previous doses received.</b></p>
<p><b>(4)</b> Previously unimmunized children and adult solid organ transplant (SOT) candidates and recipients who do not require diphtheria or tetanus vaccine<sup>③</sup></p>	<p><b>(4) Use schedule (1) or (2) above as appropriate for age</b></p>
<p><b>(5) Select Special Populations see <a href="#">Section 5</a> <sup>③</sup></b></p>	
<p><b>Recommended but not provided free:</b></p> <p>Adults who are at higher risk of exposure to wild polioviruses:</p> <ul style="list-style-type: none"> <li>• Travelers to areas of countries where wild polioviruses are circulating<sup>② ④</sup></li> <li>• Workers in refugee camps in polio endemic areas.</li> <li>• Laboratory workers handling specimens that may contain polioviruses</li> </ul>	<p>See REINFORCEMENTS (next page)</p>

2019 August	
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<b>REINFORCEMENTS</b>	<ul style="list-style-type: none"> <li>• A single booster dose (10 years after the primary series) is recommended for individuals <math>\geq 18</math> years of age who are at increased risk of exposure to wild polioviruses and who completed an IPV or OPV series in childhood.<sup>④</sup></li> <li>• No additional doses of IPV are recommended for travellers <math>&lt; 18</math> years of age who have completed an IPV or OPV vaccine series.<sup>④</sup></li> </ul>
<b>CONTRAINDICATIONS</b>	History of anaphylactic reaction to any polio-containing vaccine, or to any IPV vaccine component.
<b>VACCINE COMPONENTS</b>	2-phenoxyethanol, formaldehyde, residual calf serum protein, neomycin, streptomycin, polymyxin B, Medium199 Hanks
<b>ADVERSE EVENTS</b>	Minor local reactions, fever.
<p>① Routine polio immunization is not considered necessary for previously unimmunized <b>adults</b> in Canada who do not intend to travel to areas in which polio outbreaks occur <b>except</b> for those in Indication (3) &amp; (4) above.</p> <p>② Previously unimmunized travelers who will depart in less than 4 weeks should receive a single dose of IPV. The remaining doses of vaccine should be given later at the recommended intervals.</p> <p>③ Please contact the medical specialist most familiar with the client's care and vaccine program manager prior to immunization for this indication.</p> <p>④ According to the <a href="#">World Health Organization</a>, as of April 2016, trivalent oral polio vaccine (OPV) was replaced with either bivalent or monovalent OPV. In order to ensure protection against all 3 poliovirus types, any doses of OPV received on or after April 1, 2016 are not considered as a valid dose within the routine Yukon immunization schedule. Therefore, individuals presenting with a record of OPV received on or after this date will require re-immunization with IPV or IPV containing vaccine for any of these doses.</p>	