

Administration Quick Reference Guide

Subject to the training requirements, Saskatchewan pharmacists may prescribe vaccines or medications for the prevention of the following diseases:

Cholera (pharmacists may prescribe the oral, inactivated vaccine)

- **DUKORAL**[®] (inactivated, oral, travellers' diarrhea and cholera vaccine containing whole cell heat inactivated V. cholerae O1 Inaba classic strain, formalin inactivated V. cholerae O1 Inaba El Tor strain, and heat and formalin inactivated V. cholerae O1 Ogawa classic strain with recombinant non-toxic cholera toxin B subunit), Valneva Sweden AB (manufacturer) (Chol-Ecol-O).
<https://www.dukoralcanada.com/taking-dukoral>

Diphtheria*

<https://www.cdc.gov/vaccines/vpd/dtap-tdap-td/hcp/administering-vaccine.html>

- **ADACEL**[®] (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine), Sanofi Pasteur Ltd. (Tdap).
- **ADACEL**[®]-**POLIO** (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine combined with inactivated poliomyelitis vaccine), Sanofi Pasteur Ltd. (Tdap-IPV).
- **BOOSTRIX**[®] (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine), GlaxoSmithKline Inc. (Tdap).
- **BOOSTRIX**[®]-**POLIO** (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine combined with inactivated poliomyelitis vaccine), GlaxoSmithKline Inc. (Tdap-IPV).
- **INFANRIX**[®]-**IPV** (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, inactivated poliomyelitis), GlaxoSmithKline Inc. (DTaP-IPV).
- **INFANRIX**[®]-**IPV/Hib** (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, inactivated poliomyelitis and conjugated Haemophilus influenzae type b vaccine), GlaxoSmithKline Inc. (DTaP-IPV-Hib).
- **INFANRIX hexa**[™] (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, hepatitis B (recombinant), inactivated poliomyelitis and conjugated Haemophilus influenzae type b vaccine), GlaxoSmithKline Inc. (DTaP-HB-IPV-Hib).
- **PEDIACEL**[®] (adsorbed vaccine containing diphtheria and tetanus toxoids and acellular pertussis vaccine combined with inactivated poliomyelitis vaccine and Haemophilus influenzae type b conjugate vaccine), Sanofi Pasteur Ltd. (DTaP-IPV-Hib).
- **QUADRACEL**[®] (adsorbed vaccine containing diphtheria and tetanus toxoids and acellular pertussis vaccine combined with inactivated poliomyelitis vaccine), Sanofi Pasteur Ltd. (DTaP-IPV).

- **Td ADSORBED** (adsorbed vaccine containing tetanus and reduced diphtheria toxoids), Sanofi Pasteur Ltd. (Td).
- **Td POLIO ADSORBED** (adsorbed vaccine containing tetanus and reduced diphtheria toxoids and inactivated poliomyelitis vaccine), Sanofi Pasteur Ltd. (Td-IPV).

Haemophilus influenza Type B*

- **Act-HIB®** (*Haemophilus influenzae* type b conjugate vaccine [tetanus protein conjugate]), Sanofi Pasteur SA (manufacturer), Sanofi Pasteur Ltd. (distributor). (Hib)
- **HIBERIX®** (*Haemophilus influenzae* type b conjugate vaccine [tetanus protein conjugate]), GlaxoSmithKline Inc. (Hib)
- **INFANRIX®-IPV/Hib** (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, inactivated poliomyelitis and conjugated *Haemophilus influenzae* type b vaccine), GlaxoSmithKline Inc. (DTaP-IPV-Hib)
- **INFANRIX hexa™** (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, hepatitis B (recombinant), inactivated poliomyelitis and conjugated *Haemophilus influenzae* type b vaccine (tetanus toxoid conjugate)), GlaxoSmithKline Inc. (DTaP-HB-IPV-Hib)
- **PEDIACEL®** (adsorbed vaccine containing diphtheria and tetanus toxoids and acellular pertussis vaccine adsorbed combined with inactivated poliomyelitis vaccine and *Haemophilus influenzae* type b conjugate vaccine (tetanus protein conjugate)), Sanofi Pasteur Ltd. (DTaP-IPV-Hib)

Hepatitis A*

- **AVAXIM®** (adult formulation) and **AVAXIM®-Pediatric** (paediatric formulation) (inactivated hepatitis A vaccine), Sanofi Pasteur SA (manufacturer), Sanofi Pasteur Ltd. (distributor) (HA)
- **HAVRIX® 1440** (adult formulation) and **HAVRIX® 720 Junior** (paediatric formulation) (inactivated hepatitis A vaccine), GlaxoSmithKline Inc. (HA)
- **TWINRIX®** (adult formulation) and **TWINRIX® Junior** (paediatric formulation) (combined hepatitis A and hepatitis B [HB] vaccine), GlaxoSmithKline Inc. (HAHB) Refer to [Hepatitis B Vaccine](#) in Part 4 for additional information about HAHB vaccine.
- **VAQTA®** (inactivated hepatitis A vaccine), Merck Canada Inc. (HA)
- **ViVAXIM®** (combined purified Vi polysaccharide typhoid and inactivated hepatitis A vaccine), Sanofi Pasteur Ltd. (distributor) (HA-Typh-I)

Hepatitis B*

- **ENGERIX®-B** (adult formulation) and **ENGERIX®-B-Pediatric** (paediatric formulation)(recombinant hepatitis B vaccine) GlaxoSmithKline Inc. (HB)

- **INFANRIX hexa™** (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, hepatitis B [recombinant], inactivated poliomyelitis and conjugated Haemophilus influenzae type b vaccine) GlaxoSmithKline Inc. (DTaP-HB-IPV-Hib)
- **RECOMBIVAX HB®** (adult formulation), **RECOMBIVAX HB®-Pediatric** (paediatric formulation) and **RECOMBIVAX HB®-Adult dialysis** (adult dialysis formulation) (recombinant hepatitis B vaccine) Merck Canada Inc. (HB)
- **TWINRIX®** (adult formulation) and **TWINRIX® Junior** (paediatric formulation) (combined hepatitis A and hepatitis B vaccine) GlaxoSmithKline Inc. (HAHB)

Herpes zoster (Shingles)

- **SHINGRIX®** (non-live recombinant vaccine, AS01B adjuvanted), GlaxoSmithKline Inc. (RZV)
- **ZOSTAVAX® II** (varicella zoster vaccine live, attenuated [Oka/Merck]), Merck Canada Inc. (LZV)

Human Papillomavirus (HPV)*

- **CERVARIX®** (bivalent human papillomavirus [types 16, 18], recombinant vaccine), GlaxoSmithKline Inc. (HPV2).
- **GARDASIL®** (quadrivalent human papillomavirus [types 6, 11, 16, 18], recombinant vaccine), Merck Canada Inc. (HPV4).
- **GARDASIL® 9** (nine-valent, human papillomavirus [types 6, 11, 16, 18, 31, 33, 45, 52, 58], recombinant vaccine), Merck Canada Inc. (HPV9)

Measles*

- **M-M-R® II** (live attenuated combined measles, mumps and rubella vaccine), Merck Canada Inc. (MMR)
- **PRIORIX®** (live attenuated combined measles, mumps and rubella vaccine), GlaxoSmithKline Inc. (MMR)
- **PRIORIX-TETRA®** (live attenuated combined measles, mumps, rubella and varicella vaccine), GlaxoSmithKline Inc. (MMRV)
- **ProQuad™** (live attenuated combined measles, mumps, rubella and varicella vaccine), Merck Canada Inc. (MMRV)

Meningococcal disease*

Monovalent conjugate meningococcal vaccines (Men-C-C)

- **Menjugate**[®] (meningococcal group C oligosaccharide conjugated to CRM₁₉₇ protein), Novartis Vaccines and Diagnostics (sponsor), Novartis Pharmaceuticals Canada Ltd. (distributor). (Men-C-C-CRM)
- **NeisVac-C**[®] (meningococcal group C polysaccharide conjugated to tetanus toxoids), Baxter (manufacturer), GlaxoSmithKline Inc. (distributor). (Men-C-C-TT)

Quadrivalent conjugate meningococcal vaccines (Men-C-ACYW)

- **Menactra**[®] (meningococcal groups A, C, Y, and W-135 polysaccharides conjugated to diphtheria toxoid protein), Sanofi Pasteur Ltd. (Men-C-ACYW-DT)
- **Menveo**[™] (meningococcal groups A, C, Y and W-135 oligosaccharides conjugated to CRM₁₉₇ protein), Novartis Vaccines and Diagnostics Inc. (Men-C-ACYW-CRM)
- **Nimenrix**[®] (meningococcal groups A, C, Y, and W-135 polysaccharides conjugated to tetanus toxoid protein), GlaxoSmithKline Inc. (Men-C-ACYW-TT)

Multicomponent meningococcal vaccine (4CMenB)

- **Bexsero**[®] (meningococcal porin A [PorA], factor H binding protein [fHbp], neisserial antigen 2091 [GNA2091], heparin binding antigen [NHBA], neisserial antigen 1030 [GNA1030], and Neisserial adhesion A [NadA] surface proteins), Novartis Vaccines and Diagnostics Inc. (4CMenB)
- **M-M-R[®] II** (live attenuated combined measles, mumps and rubella vaccine), Merck Canada Inc. (MMR)
- **PRIORIX**[®] (live attenuated combined measles, mumps and rubella vaccine), GlaxoSmithKline Inc. (MMR)
- **PRIORIX-TETRA**[®] (live attenuated combined measles, mumps, rubella and varicella vaccine), GlaxoSmithKline Inc. (MMRV)
- **ProQuad**[™] (live attenuated combined measles, mumps, rubella and varicella vaccine), Merck Canada Inc. (MMRV)

Pertussis*

- **ADACEL**[®] (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine), Sanofi Pasteur Ltd. (Tdap)
- **ADACEL[®]-POLIO** (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine combined with inactivated poliomyelitis vaccine), Sanofi Pasteur Ltd. (Tdap-IPV)
- **BOOSTRIX**[®] (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine), GlaxoSmithKline Inc. (Tdap)

- **BOOSTRIX®-POLIO** (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine combined with inactivated poliomyelitis vaccine), GlaxoSmithKline Inc. (Tdap-IPV)
- **INFANRIX®-IPV** (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, inactivated poliomyelitis), GlaxoSmithKline Inc. (DTaP-IPV)
- **INFANRIX®-IPV/Hib** (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, inactivated poliomyelitis and conjugated *Haemophilus influenzae* type b vaccine), GlaxoSmithKline Inc. (DTaP-IPV-Hib)
- **INFANRIX hexa™** (adsorbed vaccine containing combined diphtheria and tetanus toxoids, acellular pertussis, hepatitis B [recombinant], inactivated poliomyelitis and conjugated *Haemophilus influenzae* type b vaccine), GlaxoSmithKline Inc. (DTaP-HB-IPV-Hib)
- **PEDIACEL®** (adsorbed vaccine containing diphtheria and tetanus toxoids and acellular pertussis vaccine combined with inactivated poliomyelitis vaccine and *Haemophilus influenzae* type b conjugate vaccine), Sanofi Pasteur Ltd. (DTaP-IPV-Hib)
- **QUADRACEL®** (adsorbed vaccine containing diphtheria and tetanus toxoids and acellular pertussis vaccine combined with inactivated poliomyelitis vaccine), Sanofi Pasteur Ltd. (DTaP-IPV)

Pneumococcal disease*

Pneumococcal conjugate vaccines

- **SYNFLORIX®** (pneumococcal 10-valent conjugate vaccine, non-typeable *Haemophilus influenzae* protein D, diphtheria or tetanus toxoid conjugates adsorbed) GlaxoSmithKline Inc. (Pneu-C-10)
- **[Prenar®13](#)** (pneumococcal 13-valent conjugate vaccine, CRM₁₉₇ protein), Pfizer Canada Inc. (licensee) (Pneu-C-13)

The tetanus, diphtheria and non-typeable *Haemophilus influenzae* carrier proteins used in pneumococcal conjugate vaccine do not confer protection against diphtheria, tetanus or *Haemophilus influenzae* type b (Hib) disease.

Pneumococcal polysaccharide 23-valent vaccine

- **[PNEUMOVAX®23](#)** (pneumococcal polysaccharide 23-valent vaccine), Merck Canada Inc. (Pneu-P-23)

Polio*

- **ADACEL®-POLIO** (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine combined with inactivated poliomyelitis vaccine), sanofi pasteur Ltd. (Tdap-IPV)

- **BOOSTRIX®-POLIO** (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine combined with inactivated poliomyelitis vaccine), GlaxoSmithKline Inc. (Tdap-IPV)
- **IMOVAX® Polio** (inactivated poliomyelitis vaccine (vero cell origin), sanofi pasteur SA (manufacturer), Sanofi Pasteur Ltd. (distributor). (IPV)
- **INFANRIX®-IPV** (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, inactivated poliomyelitis), GlaxoSmithKline Inc. (DTaP-IPV)
- **INFANRIX®-IPV/Hib** (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, inactivated poliomyelitis and conjugated *Haemophilus influenzae* type b vaccine), GlaxoSmithKline Inc. (DTaP-IPV-Hib)
- **INFANRIX hexa™** (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, hepatitis B (recombinant), inactivated poliomyelitis and conjugated *Haemophilus influenzae* type b vaccine), GlaxoSmithKline Inc. (DTaP-HB-IPV-Hib)
- **PEDIACEL®** (adsorbed vaccine containing diphtheria and tetanus toxoids and acellular pertussis vaccine combined with inactivated poliomyelitis vaccine and *Haemophilus influenzae* type b conjugate vaccine), Sanofi Pasteur Ltd. (DTaP-IPV-Hib)
- **QUADRACEL®** (adsorbed vaccine containing diphtheria and tetanus toxoids and acellular pertussis vaccine combined with inactivated poliomyelitis vaccine), Sanofi Pasteur Ltd. (DTaP-IPV)
- **Td POLIO ADSORBED** (adsorbed vaccine containing tetanus and reduced diphtheria toxoids and inactivated poliomyelitis vaccine), Sanofi Pasteur Ltd. (Td-IPV)

Rubella*

- **M-M-R®II** (live, attenuated combined measles, mumps and rubella vaccine), Merck Canada Inc. (MMR)
- **PRIORIX®** (live, attenuated, combined measles, mumps and rubella vaccine), GlaxoSmithKline Inc. (MMR)
- **PRIORIX-TETRA®** (live, attenuated combined measles, mumps, rubella and varicella vaccine), GlaxoSmithKline Inc. (MMRV)
- **ProQuad™** (live attenuated combined measles, mumps, rubella and varicella vaccine), Merck Canada Inc. (MMRV)

Seasonal Influenza

- All manufacturers that distribute influenza vaccine products in Canada confirm to Health Canada that the vaccines to be marketed in Canada for the upcoming influenza season contain the WHO-recommended antigenic strains for the Northern Hemisphere.

Tetanus*

- **ADACEL**[®] (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine), sanofi pasteur Ltd. (Tdap)
- **ADACEL**[®]-**POLIO** (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine combined with inactivated poliomyelitis vaccine), sanofi pasteur Ltd. (Tdap-IPV)
- **BOOSTRIX**[®] adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine), GlaxoSmithKline Inc. (Tdap)
- **BOOSTRIX**[®]-**POLIO** (adsorbed vaccine containing tetanus toxoid, reduced diphtheria toxoid and reduced acellular pertussis vaccine combined with inactivated poliomyelitis vaccine), GlaxoSmithKline Inc. (Tdap-IPV)
- **INFANRIX**[®]-**IPV** (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, inactivated poliomyelitis), GlaxoSmithKline Inc. (DTaP-IPV)
- **INFANRIX**[®]-**IPV/Hib** (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, inactivated poliomyelitis and conjugated *Haemophilus influenzae* type b vaccine), GlaxoSmithKline Inc. (DTaP-IPV-Hib)
- **INFANRIX hexa**[™] (adsorbed vaccine containing diphtheria and tetanus toxoids, acellular pertussis, hepatitis B (recombinant), inactivated poliomyelitis and conjugated *Haemophilus influenzae* type b vaccine, GlaxoSmithKline Inc. (DTaP-HB-IPV-Hib)
- **PEDIACEL**[®] (adsorbed vaccine containing diphtheria and tetanus toxoids and acellular pertussis vaccine combined with inactivated poliomyelitis vaccine and *Haemophilus influenzae* type b conjugate vaccine), Sanofi Pasteur Ltd. (DTaP-IPV-Hib)
- **QUADRACEL**[®] (adsorbed vaccine containing diphtheria and tetanus toxoids and acellular pertussis vaccine combined with inactivated poliomyelitis vaccine), Sanofi Pasteur Ltd. (DTaP-IPV)
- **Td ADSORBED** (adsorbed vaccine containing tetanus and reduced diphtheria toxoids). Sanofi Pasteur Ltd. (Td)
- **Td POLIO ADSORBED** (adsorbed vaccine containing tetanus and reduced diphtheria toxoids and inactivated poliomyelitis vaccine), Sanofi Pasteur Ltd. (Td-IPV)

Traveler's diarrhea (pharmacists may prescribe prophylactic or pre-emptive treatment such as the oral, inactivated vaccine and/or antibiotics according to Council approved protocols)

- **DUKOAL** (inactivated, oral, travellers' diarrhea and cholera vaccine containing whole cell heat inactivated V. cholerae O1 Inaba classic strain, formalin inactivated V. cholerae O1 Inaba El Tor strain, and heat and formalin inactivated V. cholerae O1 Ogawa classic strain with recombinant non-toxic cholera toxin B subunit), Valneva Sweden AB (manufacturer) (Chol-Ecol-O).
<https://www.dukoralcanada.com/taking-dukoral>
- Dosages for various agents to prevent and treat travellers' diarrhea [CATMAT](#)

Varicella zoster (chickenpox)*

- **VARIVAX®III** (live, attenuated univalent varicella virus vaccine [Oka/Merck]), Merck Canada Inc. (Var)
- **VARILRIX®** (live, attenuated univalent varicella virus vaccine [Oka/GSK]), GlaxoSmithKline Inc. (Var)
- **PRIORIX-TETRA®** (live, attenuated combined measles, mumps, rubella and varicella vaccine), GlaxoSmithKline Inc. (MMRV)
- **PROQUAD™** (live, attenuated combined measles, mumps, rubella and varicella vaccine), Merck Canada Inc. (MMRV)

* Publicly funded for some populations. However, may not be funded for all populations, particularly for travel

International Society of Travel Medicine (ISTM) Certification in Travel Health is required to prescribe for:**

Cholera (except oral, inactive vaccine)

European Tick-Borne Encephalitis

Japanese Encephalitis

- **IXIARO®**: inactivated, Japanese encephalitis vaccine, Vero cell culture-derived, adsorbed. Intercell AG (manufacturer), Novartis Pharmaceuticals Canada Inc. (distributor) (JE)

Rabies

- **IMOVAX® Rabies** (inactivated, human diploid cell rabies vaccine). Sanofi Pasteur Ltd. (HDCV)
- **RabAvert®** (inactivated, purified chick embryo cell rabies vaccine), Novartis Vaccines and Diagnostics (manufacturer), Novartis Pharmaceuticals Canada Inc. (distributor). (PCECV)

Typhoid

- **TYPHIM Vi®** (Salmonella typhi Vi capsular polysaccharide vaccine for injection), Sanofi Pasteur SA (manufacturer), Sanofi Pasteur Ltd. (distributor) (Typh-I)
- **ViVAXIM®** (combined purified Vi polysaccharide typhoid and inactivated hepatitis A vaccine for injection), Sanofi Pasteur SA (manufacturer), Sanofi Pasteur Ltd. (distributor) (HA-Typh-I)
- **Vivotif®** (live, oral, attenuated TY21A typhoid vaccine), PaxVax Berna GmbH. (manufacturer), Crucell Vaccines Inc. (distributor) (Typh-O)

Malaria

- Recommended chemoprophylaxis by geographic area [CATMAT](#)

Altitude Illness

- Recommendations for treatment of acute mountain sickness (AMS) [CATMAT](#)

Yellow Fever

- **YF-VAX**[®]: live, attenuated, yellow fever vaccine, sanofi pasteur Ltd. (YF)