

## 2006 Canadian Immunization Guide, 7<sup>th</sup> Edition

**Table 1.** Type and Contents of Vaccines Currently Approved for Use in Canada

Brand name	Mfr/ distr.	Route	Vaccine type			Adjuvant	Preservative	Potential allergens (egg, antibiotic, gelatin, latex)	Other materials
			Vaccine type	Immunogen+	Products				
<b>Act-HIB<sup>®</sup></b>	<b>SP</b>	IM	Subunit	Hib	Conjugate				
<b>Actacel<sup>TM*</sup></b>	<b>SP</b>	IM	Subunit	D, T, aP + (Hib)	Proteins + Conjugate	<b>Alum</b>	PE		
<b>Adacel<sup>®</sup></b>	<b>SP</b>	IM	Subunit	T, d, ap	Proteins	<b>Alum</b>	PE		
<b>Avaxim<sup>®</sup></b>	<b>SP</b>	IM	Inactivated	HA	Killed virus	<b>Alum</b>	PE	<b>Neomycin</b>	Formaldehyde
<b>Avaxim<sup>®</sup> - Pediatric</b>	<b>SP</b>	IM	Inactivated	HA	Killed virus	<b>Alum</b>	PE	<b>Neomycin</b>	Formaldehyde
<b>BCG Vaccine (Freeze-Dried)</b>	<b>SP</b>	Intra - dermal	Live attenuated	BCG	Live bacteria				Polysorbate 80
<b>Boostrix<sup>®*</sup></b>	<b>GSK</b>	IM	Subunit	T, d, ap	Proteins	<b>Alum</b>	PE	<b>Latex in plunger stopper of prefilled syringe</b>	Formaldehyde
<b>DT Polio Adsorbed</b>	<b>SP</b>	IM	Subunit + inactivated	D, T, IPV	Proteins + killed virus	<b>Alum</b>	PE	<b>Polymyxin B Neomycin</b>	Formaldehyde
<b>Dukoral<sup>TM</sup></b>	<b>SBL/SP</b>	Oral	Subunit + inactivated	Chol-Ecol-O	Proteins + killed bacteria				Saccharin
Multi dose vial <b>Engerix<sup>®</sup> -B</b> Single dose vial	<b>GSK</b>	IM	Subunit	HB	Recombinant protein	<b>Alum</b>	PE		Yeast protein
<b>Eolarix<sup>TM*</sup></b>	<b>GSK</b>	SC	Live	M, R	Live virus			<b>Neomycin</b>	Human albumin Lactose Dextran
<b>Epaxal<sup>®**</sup></b>	<b>BERN</b>	IM	Inactivated	HA in Inf virosome	Killed virus		Tm		Formaldehyde

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			Vaccine type	Immunogen+	Products				
Fluviral® S/F	GSK	IM	Inactivated	Inf	Killed virus		Tm	Egg proteins	Formaldehyde
FSME - IMMUN®	BAX	IM	Inactivated	TBE	Inactivated whole virus	Alum		Neomycin Gentamycin Protamine sulfate Residual compon- ents of chick embryo cell cultures	Formaldehyde Human serum albumin Sucrose
Gardasil™	MF		Subunit	HPV	Recombinant protein	Alum			Polysorbate 80 Yeast protein
Havrix®	GSK	IM	Inactivated	HA	Killed virus	Alum	PE	Neomycin Latex in plunger stopper of pre-filled syringes	Formaldehyde Polysorbate 20
Hiberix®*	GSK	IM	Subunit	Hib	Conjugate				Lactose
Imovax® Polio*	SP	SC	Inactivated	IPV	Killed virus		PE	Polymyxin B Neomycin Streptomycin	Bovine serum Formaldehyde Polysorbate 80
Imovax® Rabies	SP	IM	Inactivated	Rab	Killed virus			Neomycin	Human albumin
Inactivated Poliomyelitis Vaccine – IPV	SP	SC	Inactivated	IPV	Killed virus		PE	Polymyxin B Neomycin	Bovine serum Formaldehyde Polysorbate 80
Infanrix™*	GSK	IM	Subunit	D, T, aP	Proteins	Alum	PE	Latex in plunger stopper of prefilled syringe	Formaldehyde
Infanrix™- hexa*	GSK	IM	Subunit + inactivated	D, T, aP, HB, IPV + (Hib)	Proteins + killed viruses + conjugate	Alum	PE	Polymyxin B Neomycin Latex in plunger stopper of prefilled syringe	Yeast protein Formaldehyde Lactose Polysorbate 20 and 80

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			Vaccine type	Immunogen+	Products				
<b>Infanrix™/Hib*</b>	<b>GSK</b>	IM	Subunit	D, T, aP + (Hib)	Proteins + conjugate	<b>Alum</b>	PE	<b>Latex in plunger stopper of prefilled syringe</b>	Formaldehyde Lactose
<b>Infanrix™- IPV*</b>	<b>GSK</b>	IM	Subunit + inactivated	D, T, aP, IPV	Proteins + killed virus	<b>Alum</b>	PE	<b>Polymyxin B Neomycin Latex in plunger stopper of prefilled syringes</b>	Formaldehyde Polysorbate 80
<b>Infanrix™ - IPV/Hib*</b>	<b>GSK</b>	IM	Subunit + inactivated	D, T, aP, IPV + (Hib)	Proteins + killed virus + conjugate	<b>Alum</b>	PE	<b>Polymyxin B Neomycin Latex in plunger stopper of prefilled syringe</b>	Formaldehyde Polysorbate 80 Lactose
<b>Influvac™</b>	<b>SOLV</b>	IM/ SC	Inactivated	Inf	Killed virus			<b>Gentamicin Egg protein</b>	Chicken protein Formaldehyde Polysorbate 80
<b>JE-VAX®</b>	<b>BIKEN/ SP</b>	SC	Inactivated	JE	Killed virus		Tm	<b>Gelatin</b>	Mouse serum protein Formaldehyde
<b>Liquid Pedvax HIB®</b>	<b>MF</b>	IM	Subunit	Hib	Conjugate	<b>Alum</b>		<b>Latex in stopper</b>	
<b>Menactra™</b>	<b>SP</b>	IM	Subunit	Men	Conjugate			<b>Latex in stopper of vial Syringes are latex free</b>	
<b>Meningitec™</b>	<b>BERN/ WA</b>	IM	Subunit	Men	Conjugate	<b>Alum</b>		<b>Latex in stopper of vial and plunger stopper of prefilled syringe</b>	

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			Vaccine type	Immunogen+	Products				
Multidose vial <b>Meningococcal Polysaccharide Vaccine, Groups A &amp; C, Menomune® A/C</b> Single dose vial	SP	SC	Subunit	Men	Polysaccharide		Tm	Latex in stopper of vial	Lactose
<b>Menjugate®</b>	NOV	IM	Subunit	Men	Conjugate	Alum			
Multidose vial <b>Menomune® A/C/Y/W-135</b> Single dose vial	SP	SC	Subunit	Men	Polysaccharide		Tm†	Latex in stopper	Lactose
<b>M-M-R® II</b>	MF	SC	Live	M, M, R	Live virus			<b>Gelatin Neomycin Residual components of chick embryo cell cultures</b>	Bovine serum Glutamate Yeast-derived recombinant Human albumin Residual protein from cell culture Sorbitol Sucrose
<b>Mutacol™**</b>	BERN	Oral	Live	Chol	Live bacteria				Yeast extract Lactose Aspartame
<b>Neisvac-C™</b>	BAX/ GSK	IM	Subunit	Men	Conjugate	Alum			

Brand name	Mfr/ distr.	Route	Vaccine type			Adjuvant	Preservative	Potential allergens (egg, antibiotic, gelatin, latex)	Other materials
			Vaccine type	Immunogen+	Products				
<b>Pediacel<sup>®</sup>*</b>	<b>SP</b>	IM	Subunit + inactivated	D, T, aP, IPV, Hib	Proteins, killed virus + conjugate	<b>Alum</b>	PE	<b>Neomycin Polymyxin B Streptomycin Latex in stopper of vial</b>	Bovine serum Formaldehyde Polysorbate 80
<b>Pediarix<sup>TM</sup>*</b>	<b>GSK</b>	IM	Subunit + inactivated	D, T, aP, HB, IPV	Proteins + killed virus	<b>Alum</b>	PE	<b>Polymyxin B Neomycin Latex in plunger stopper of prefilled syringe</b>	Yeast protein Formaldehyde Polysorbate 80
<b>Pentacel<sup>®</sup></b>	<b>SP</b>	IM	Subunit + inactivated	D, T, aP, IPV + (Hib)	Proteins + killed virus + (conjugate)	<b>Alum</b>	PE	<b>Polymyxin B Neomycin</b>	Bovine albumin Formaldehyde Polysorbate 80 Glutaraldehyde
<b>Pneumo 23<sup>®</sup></b>	<b>SP</b>	IM/ SC	Subunit	Pneu	Polysaccharide		P		
Multidose vial* <b>Pneumovax<sup>®</sup> 23</b> Single dose vial	<b>MF</b>	IM/ SC	Subunit	Pneu	Polysaccharide		P		
<b>Prevnar<sup>®</sup></b>	<b>WA</b>	IM	Subunit	Pneu	Conjugate	<b>Alum</b>		<b>Latex in stopper</b>	
<b>Priorix<sup>®</sup></b>	<b>GSK</b>	SC	Live	M, M, R	Live virus			<b>Neomycin</b>	Lactose
<b>Priorix-Tetra<sup>®</sup></b>	<b>GSK</b>	SC	Live	M, M, R, Var	Live virus			<b>Neomycin</b>	Lactose
<b>Quadracel<sup>®</sup></b>	<b>SP</b>	IM	Subunit + inactivated	D, T, aP, IPV	Proteins + killed virus	<b>Alum</b>	PE	<b>Polymyxin B Neomycin</b>	Bovine albumin Formaldehyde Glutaraldehyde Polysorbate 80
<b>RabAvert<sup>®</sup></b>	<b>NOV/ MF</b>	IM	Inactivated	Rab	Killed virus			<b>Neomycin Chlortetracycline Amphotericin B Processed gelatin</b>	Human albumin Ovalbumin Bovine serum

Brand name	Mfr/ distr.	Route	Vaccine type			Adjuvant	Preservative	Potential allergens (egg, antibiotic, gelatin, latex)	Other materials
			Vaccine type	Immunogen+	Products				
Multidose vial <b>Recombivax HB<sup>®</sup></b> Single dose vials	<b>MF</b>	IM	Subunit	HB	Recombinant protein	<b>Alum</b>	Tm†	<b>Latex in stopper</b>	Yeast protein Formaldehyde
<b>Rotarix<sup>®</sup></b>	<b>GSK</b>	Oral	Live	ROT	Live virus				Dextran Sorbitol Xanthan gum
<b>Rotateq</b>	<b>MF</b>	Oral	Live	ROT	Live virus				Polysorbate 80 Residual protein from cell culture Foetal bovine serum Sucrose
<b>Td Adsorbed</b>	<b>SP</b>	IM	Subunit	T, d	Proteins	<b>Alum</b>			Formaldehyde
<b>Td Polio Adsorbed</b>	<b>SP</b>	IM	Subunit + inactivated	T, d, IPV	Proteins + killed virus	<b>Alum</b>	PE	<b>Polymyxin B Neomycin</b>	Bovine albumin Formaldehyde Polysorbate 80
<b>Tetanus Toxoid Adsorbed</b>	<b>SP</b>	IM	Subunit	T	Protein	<b>Alum</b>	Tm		
<b>Tripacel<sup>®</sup></b>	<b>SP</b>	IM	Subunit	D, T, aP	Proteins	<b>Alum</b>	PE	<b>Latex in stopper</b>	Formaldehyde Glutaraldehyde
<b>Twinrix<sup>®</sup></b>	<b>GSK</b>	IM	Subunit + inactivated	HB, HA	Recombinant protein + killed virus		PE	<b>Neomycin Latex in plunger stopper of pre- filled syringes</b>	Yeast protein Formaldehyde Polysorbate 20
<b>Twinrix<sup>®</sup> Junior</b>	<b>GSK</b>	IM	Subunit + inactivated	HB, HA	Recombinant protein + killed virus		PE	<b>Neomycin Latex in plunger stopper of pre- filled syringes</b>	Yeast protein Formaldehyde Polysorbate 20

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			Vaccine type	Immunogen+	Products				
<b>Typherix<sup>®</sup></b>	<b>GSK</b>	IM	Subunit	Typh-I	Polysaccharide		P	<b>Latex in plunger stopper of pre-filled syringes</b>	
<b>Typhim Vi<sup>®</sup></b>	<b>SP</b>	IM	Subunit	Typh-I	Polysaccharide		P		
<b>Vaqta<sup>®</sup></b>	<b>MF</b>	IM	Inactivated	HA	Killed virus	<b>Alum</b>		<b>Neomycin Latex in stopper</b>	Bovine albumin Formaldehyde Residual protein from cell culture
<b>Varilrix<sup>®</sup></b>	<b>GSK</b>	SC	Live	Var	Live virus			<b>Neomycin Latex in plunger stopper of pre-filled syringes for diluent</b>	Human albumin Lactose
<b>Varivax<sup>®</sup> III</b>	<b>MF</b>	SC	Live	Var	Live virus			<b>Gelatin Neomycin</b>	Bovine serum Glutamate Residual protein from cell culture Sucrose Urea
Multidose vial <b>Vaxigrip<sup>®</sup></b> Single dose vial	<b>SP</b>	IM	Inactivated	Inf	Killed virus		Tm†	<b>Neomycin Egg protein</b>	Formaldehyde
<b>ViVaxim<sup>™</sup></b>	<b>SP</b>	IM	Subunit + inactivated	Typh-I + (HA)	Polysaccharide + killed virus	<b>Alum</b>	PE	<b>Neomycin</b>	Formaldehyde Polysorbate 80
<b>Vivotif<sup>®</sup> L</b>	<b>BERN</b>	Oral	Live	Typh-O	Live virus				Lactose Aspartame
<b>Vivotif<sup>®</sup></b>	<b>BERN</b>	Oral	Live	Typh-I	Live virus			<b>Gelatin</b>	Lactose Aspartame

Brand name	Mfr/ distr.	Route	Vaccine type			Adjuvant	Preservative	Potential allergens (egg, antibiotic, gelatin, latex)	Other materials
			Vaccine type	Immunogen+	Products				
YF-VAX®	SP	SC	Live	YF	Live virus			Gelatin Egg protein Latex in stopper	Chicken protein

Empty boxes indicate a lack of the specified component.

\* Drug Identification Number assigned (approved for use but not currently marketed)

\*\* Product is on the market but not currently available

† Thimerosal in multidose vial only

## Notes and Abbreviations

The information in this table is based on the product's availability as of May 2006. Please consult the manufacturer for complete and up-to-date information. The National Advisory Committee on Immunization (NACI) will publish updated information as required, which will be available at [www.naci.gc.ca](http://www.naci.gc.ca).

**Manufacturer (Mfr) and Distributor (Distr.):** For some products, the distributor could be different from the manufacturer.

*BAX* – Baxter Healthcare Corporation; *BERN* – Berna Biotech; *BIKEN* – Biken; *GSK* – GlaxoSmithKline; *IDB* – ID Biomedical Corporation; *MF* – Merck Frosst; *NOV* – Novartis Vaccines and Diagnostics; *SBL* – SBL Vaccine; *SP* – Sanofi Pasteur Ltd; *SOLV* – Solvay; *WA* – Wyeth Canada

**Route:** IM – intramuscular; SC – subcutaneous

## Immunogen:

+ For products in which the immunogens of two different vials or chambers are combined, the contents of the second vial or chamber are noted as + (immunogen)



**The following abbreviations are the agreed upon standards for use in Canada:**

BCG – Bacillus Calmette Guérin; Chol-Ecol-O – cholera-*E.coli*-oral; DTaP-IPV-Hib – diphtheria toxoid, tetanus toxoid, acellular pertussis, polio, *Haemophilus influenzae* type b, pediatric formulation; HA – hepatitis A; HB – hepatitis B; Inf – influenza; IPV – inactivated poliomyelitis virus; JE – Japanese encephalitis; Men – meningococcus; MMR – measles, mumps, rubella; Pneu – pneumococcus; Rab – rabies; TBE – tickborne encephalitis; Tdap – tetanus toxoid, diphtheria toxoid, acellular pertussis, adult formulation; Typh-I – typhoid-injection; Typh-O – typhoid-oral; Var – varicella; YF – yellow fever

**Adjuvant:** Alum – aluminum-containing adjuvant

**Preservative:**

P – phenol; PE – 2 phenoxy ethanol; Tm – thimerosal. For the Sanofi Pasteur products, PE is not considered a preservative.