

## Vaccines

The following table lists selected preparations for use in the prevention of infectious diseases by immunization.

<b>Single vaccines</b>			
Product Name	Generic name	Manufacturer	Description
ActHIB <sup>®</sup>	Haemophilus b Conjugate Vaccine (Tetanus Toxoid Conjugate)	Sanofi Pasteur	Purified polyribose-ribitol-phosphate capsular polysaccharide of <i>Haemophilus influenzae</i> type b (strain 1482), covalently bound to tetanus toxoid
ACWY Vax <sup>®</sup>	Meningococcal Polysaccharide Vaccine (Groups A, C, W <sub>135</sub> , Y)	GlaxoSmithKline	Purified polysaccharide antigens from <i>Neisseria meningitidis</i> groups A, C, Y, and W <sub>135</sub>
Agrippal <sup>®</sup>	Influenza Virus Vaccine (Surface Antigen, Inactivated)	Chiron	Purified surface antigen from influenza virus types A and B propagated in embryonated chicken eggs and inactivated with formaldehyde
Arilvax <sup>®</sup>	Yellow Fever Vaccine, Live	Chiron	Live, attenuated yellow fever virus strain 17D grown in fertilized hens eggs
Attenuvax <sup>®</sup>	Measles Virus Vaccine, Live	Merck & Co.	Attenuated measles virus derived from Enders' attenuated Edmonston strain grown in chick embryo cell culture
Avaxim <sup>®</sup>	Inactivated Hepatitis A Vaccine	Sanofi Pasteur	Hepatitis A virus inactivated by formaldehyde, adsorbed onto aluminum hydroxide
Dukoral <sup>®</sup>	Vaccine against Cholera and ETEC-Diarrhoea	SBL Vaccines	<i>Vibrio cholerae</i> O1 Inaba and Ogawa, classic and El Tor-strains (heat/formalin inactivated), cholera toxin B subunit
Encepur <sup>®</sup>	Tick-borne Encephalitis Virus Vaccine, Inactivated, Adsorbed	Chiron	Tick-borne encephalitis virus (strain K23) grown in chicken fibroblast cell culture, inactivated with formaldehyde, adsorbed onto aluminum hydroxide (adjuvant)
Engerix-B <sup>®</sup>	Hepatitis B Vaccine (Recombinant)	GlaxoSmithKline	Purified hepatitis B surface antigen produced by recombinant DNA technology in <i>Saccharomyces cerevisiae</i> , adsorbed onto aluminum hydroxide
Epaxal <sup>®</sup>	Virosomal Hepatitis A Vaccine	Berna Biotech	Hepatitis A virus antigen (RG-SB strain) anchored to a liposomal membrane
Ervevax <sup>®</sup>	Rubella Vaccine, Live	GlaxoSmithKline	Live, attenuated RA 27/3 strain of rubella virus grown in human diploid cells
Euvax B <sup>®</sup>	Hepatitis B Vaccine, Recombinant	Sanofi Pasteur	Purified hepatitis B surface antigen produced by recombinant DNA technology in <i>Saccharomyces cerevisiae</i> , adsorbed onto aluminum hydroxide
Fendrix <sup>®</sup>	Hepatitis B (rDNA) Vaccine (Adjuvanted, Adsorbed)	GlaxoSmithKline	Purified hepatitis B surface antigen produced by recombinant DNA technology in <i>Saccharomyces cerevisiae</i> , adsorbed on aluminum phosphate, adjuvanted by AS04C containing 3- <i>O</i> -desacyl-4'-monophosphoryl lipid A (MPL)
Fluad <sup>®</sup>	Adjuvanted Influenza Virus Vaccine	Chiron	Subunit antigens (hemagglutinin and neuraminidase) from influenza virus types A and B grown in embryonated chicken eggs, combined with MF59 adjuvant emulsion
Fluarix <sup>®</sup>	Influenza Vaccine (Split Virion, Inactivated)	GlaxoSmithKline	Influenza virus types A and B propagated in embryonated chicken eggs, inactivated by sodium deoxycholate and formaldehyde (split virion, trivalent)
FluMist <sup>®</sup>	Influenza Virus Vaccine, Live, Intranasal	MedImmune	Live attenuated influenza virus reassortants (types A and B) grown in specific pathogen free eggs, trivalent
Fluvirin <sup>®</sup>	Influenza Virus Vaccine, Types A and B (Surface Antigen)	Chiron	Influenza virus types A and B grown in embryonated chicken eggs, inactivated by beta-propiolactone and nonylphenol ethoxylate (split virus, trivalent)

## Vaccines (Continued)

### Single vaccines (continued)

Product Name	Generic name	Manufacturer	Description
Fluzone®	Influenza Virus Vaccine (Zonal Purified, Subvirion)	Sanofi Pasteur	Influenza virus types A and B grown in embryonated chicken eggs, inactivated by formaldehyde and octoxinol-9 (split virus, trivalent)
FSME-Immun®	Tick-borne Encephalitis Virus Vaccine, Inactivated, Adsorbed	Baxter	Inactivated tick-borne encephalitis virus (Neudröfl strain) grown in chick embryo fibroblast cells, adsorbed on aluminum hydroxide
Gardasil®	Quadrivalent Human Papillomavirus (Types 6, 11, 16, 18) Recombinant Vaccine	Merck & Co.	Purified virus-like particles of the major capsid (L1) protein of human papillomavirus types 6, 11, 16 and 18 produced by recombinant DNA technology in <i>Saccharomyces cerevisiae</i> .
GenHevac B®	Recombinant Hepatitis B Vaccine	Sanofi Pasteur	Recombinant hepatitis B virus surface antigen (S and pre-S <sub>2</sub> proteins) produced on CHO cell line
Havrix®	Hepatitis A Vaccine, Inactivated	GlaxoSmithKline	Purified hepatitis A virus strain HM 175 grown in human diploid MRC-5 cells, inactivated by formalin
Hiberix®	<i>Haemophilus influenzae</i> type b (Hib) Vaccine	GlaxoSmithKline	Purified polyribosyl-ribitol-phosphate capsular polysaccharide of Hib covalently bound to tetanus toxoid
HibTiter®	Haemophilus b Conjugate Vaccine (Diphtheria CRM <sub>197</sub> Protein Conjugate)	Wyeth	Conjugate of oligosaccharides of the capsular antigen of <i>Haemophilus influenzae</i> type b and diphtheria CRM <sub>197</sub> protein
Imovax® Rabies	Rabies Vaccine	Sanofi Pasteur	Wistar rabies virus strain PM-1503-3M grown in human diploid MRC-5 cells, purified and inactivated by beta-propiolactone
Inflexal®V	Virosomal Influenza Vaccine	Berna Biotech	Purified surface antigens from selected influenza virus strains, grown on allantoic fluid of chicken eggs and inactivated with β-propiolactone, anchored to a liposomal membrane
Influvac®	Influenza Vaccine (Surface Antigen, Inactivated)	Solvay	Purified surface antigens from influenza virus types A and B, grown in chicken eggs and inactivated by formaldehyde
Invivac®	Virosomal Influenza Vaccine (Surface Antigen, Inactivated)	Solvay	Purified surface antigens from influenza virus types A and B, grown in chicken eggs and inactivated by formaldehyde, anchored to a liposomal membrane
IPOL®	Poliovirus Vaccine Inactivated	Sanofi Pasteur	Purified, formalin-inactivated poliovirus type 1 (Mahoney), type 2 (MEF-1) and type 3 (Saukett) grown in VERO cell culture
Je-Vax®	Japanese Encephalitis Virus Vaccine Inactivated	Sanofi Pasteur	Partially purified, formaldehyde-inactivated Japanese encephalitis virus, Nakayama-NIH strain, grown in mice
Menactra®	Meningococcal (Groups A, C, Y, W-135) Polysaccharide Diphtheria Toxoid Conjugate Vaccine	Sanofi Pasteur	<i>Neisseria meningitidis</i> serogroup A, C, Y, and W-135 capsular polysaccharide antigens individually conjugated to diphtheria toxoid protein
Meningitec®	Meningococcal Group C Conjugate Vaccine, Adsorbed	Wyeth	Capsular polysaccharide antigen of <i>Neisseria meningitidis</i> group C (strain C11) conjugated to <i>Corynebacterium diphtheria</i> protein CRM <sub>197</sub> , adsorbed onto aluminum phosphate
Menjugate®	Meningococcal Group C–CRM197 Conjugate Vaccine	Chiron	Meningococcal group C oligosaccharides conjugated to a protein carrier, a non-toxic mutant of diphtheria toxin, CRM197, adsorbed onto aluminum hydroxide
Menomune®	Meningococcal Polysaccharide Vaccine Groups A, C, Y, W-135 Combined	Sanofi Pasteur	Purified polysaccharide antigens from <i>Neisseria meningitidis</i> groups A, C, Y, and W-135
Meruvax® II	Rubella Virus Vaccine Live	Merck & Co.	Wistar RA 27/3 strain of live attenuated rubella virus propagated in WI-38 human diploid lung fibroblasts

## Vaccines (Continued)

### Single vaccines (continued)

Product Name	Generic name	Manufacturer	Description
Mumps <span>vax</span> <sup>®</sup>	Mumps Virus Vaccine Live	Merck & Co.	Jeryl Lynn <sup>™</sup> (B level) strain of mumps virus propagated in chick embryo cell culture
Neis <span>Vac-C</span> <sup>®</sup>	Meningococcal Serogroup C Polysaccharide Conjugate Vaccine	Baxter	<i>Neisseria meningitidis</i> serogroup C (strain C11) polysaccharide conjugated to tetanus toxoid, adsorbed onto aluminum hydroxide
Ok <span>vax</span> <sup>®</sup>	Live Attenuated Varicella Virus Vaccine Biken <sup>™</sup>	Sanofi Pasteur	Attenuated live varicella zoster virus (Oka strain) grown in human diploid cells
Ped <span>vaxHIB</span> <sup>®</sup>	Haemophilus b Conjugate Vaccine (Meningococcal Protein Conjugate)	Merck & Co.	Purified capsular polysaccharide (polyribosyl-ribitol phosphate) of <i>Haemophilus influenzae</i> type b, Ross strain, covalently bound to an outer membrane protein complex of the B11 strain of <i>Neisseria meningitidis</i> serogroup B
Pneumo 23 <sup>®</sup>	Polysaccharide Pneumococcal Vaccine	Sanofi Pasteur	Polysaccharides of <i>Streptococcus pneumoniae</i> serotypes 1, 2, 3, 4, 5, 6B, 7F, 8, 9N, 9V, 10A, 11A, 12F, 14, 15B, 17F, 18C, 19A, 19F, 20, 22F, 23F, 33F
Pneumov <span>ax</span> <sup>®</sup> 23	Pneumococcal Vaccine Polyvalent	Merck & Co.	Mixture of highly purified capsular polysaccharides from <i>Streptococcus pneumoniae</i> serotypes 1, 2, 3, 4, 5, 6B, 7F, 8, 9N, 9V, 10A, 11A, 12F, 14, 15B, 17F, 18C, 19A, 19F, 20, 22F, 23F, 33F
Polio Sabin <sup>™</sup>	Live Attenuated Poliomyelitis (Sabin) Vaccine (Oral)	GlaxoSmithKline	Mixture of poliovirus type 1 (LS-c, 2ab), type 2 (P712, Ch, 2ab), and type 3 (Leon 12a1b) live attenuated Sabin strains of poliomyelitis virus grown in VERO cell culture
Pre <span>vnar</span> <sup>®</sup> Pre <span>venar</span> <sup>®</sup>	Pneumococcal 7-valent Conjugate Vaccine (Diphtheria CRM <sub>197</sub> Protein Conjugate)	Wyeth	Saccharides of the capsular antigens of <i>Streptococcus pneumoniae</i> serotypes 4, 6B, 9V, 14, 18C, 19F, and 23F individually conjugated to diphtheria CRM <sub>197</sub> protein
Rab <span>Avert</span> <sup>®</sup> Rab <span>iPur</span> <sup>®</sup>	Rabies Vaccine	Chiron	Rabies virus strain Flurry LEP grown in chicken fibroblast cultures, inactivated with beta-propiolactone, purified
Recom <span>bivax HB</span> <sup>®</sup>	Hepatitis B Vaccine (Recombinant)	Merck & Co.	Purified hepatitis B surface antigen produced by recombinant DNA technology in <i>Saccharomyces cerevisiae</i>
Rota <span>Teq</span> <sup>®</sup>	Rotavirus Vaccine, Live, Oral, Pentavalent	Merck & Co.	Mixture of 5 live reassortant rotoviruses: four expressing attachment protein P7 and one of capsid proteins G1, G2, G3 or G4 and one expressing attachment protein P1A and capsid protein G6; propagated in VERO cell culture
Rou <span>vax</span> <sup>®</sup>	Attenuated Measles Vaccine	Sanofi Pasteur	Live attenuated measles virus (Schwarz strain) grown in chick embryo cell culture
Ru <span>divax</span> <sup>®</sup>	Attenuated Rubella Vaccine	Sanofi Pasteur	Live attenuated rubella virus (Wistar RA 27/3M strain) grown in human diploid cells
Stamari <span>l</span> <sup>®</sup>	Yellow Fever Vaccine (Live), Stabilized	Sanofi Pasteur	Live, attenuated yellow fever virus (17D strain) grown in specific pathogen free chick embryos
Tetav <span>ax</span> <sup>®</sup>	Adsorbed Tetanus Toxoid Vaccine	Sanofi Pasteur	Tetanus toxoid adsorbed on aluminum hydroxide dihydrate
Typher <span>ix</span> <sup>®</sup>	Typhoid Vaccine (Purified Polysaccharide Antigen)	GlaxoSmithKline	Purified Vi polysaccharide of <i>Salmonella typhi</i>
Typhim Vi <sup>®</sup>	Polysaccharide Typhoid Vaccine	Sanofi Pasteur	Purified capsular polysaccharide of <i>Salmonella typhi</i> (Ty2 strain)
Va <span>qta</span> <sup>®</sup>	Hepatitis A Vaccine, Inactivated	Merck & Co.	Purified Hepatitis A virus grown in human diploid MRC-5 cells, inactivated by formalin and adsorbed onto aluminum hydroxyphosphate sulfate

## Vaccines (Continued)

### Single vaccines (continued)

Product Name	Generic name	Manufacturer	Description
Varilrix®	Varicella Vaccine (Adult)	GlaxoSmithKline	Live, attenuated varicella-zoster (Oka strain) virus propagated in human diploid MRC-5 cells
Varivax®	Varicella Virus Vaccine Live (Oka/Merck)	Merck & Co.	Oka/Merck strain of live, attenuated varicella virus propagated in human diploid MRC-5 cells
Vaxigrip®	Influenza Vaccine (Split Virion, Inactivated)	Sanofi Pasteur	Inactivated influenza virus types A and B, propagated in eggs (split virion)
Verorab®	Purified Inactivated Rabies Vaccine	Sanofi Pasteur	Purified, inactivated rabies virus (Wistar strain PM/WI 38-1503-3M) produced in VERO cell line
Vivotif®	Typhoid Vaccine Live Oral Ty21a	Berna Biotech	Live, attenuated <i>Salmonella typhi</i> (Ty21a strain)
YF-Vax®	Yellow Fever Vaccine	Sanofi Pasteur	Live, attenuated yellow fever virus (17D-204 strain) grown in ALV-free chick embryos
Zostavax®	Zoster Vaccine Live (Oka/Merck)	Merck & Co.	Live, attenuated varicella-zoster virus (Oka/Merck strain) propagated in human diploid MRC-5 cells

### Combination vaccines

Product Name	Generic name	Manufacturer	Description
Adacel®	Tetanus Toxoid, Reduced Diphtheria Toxoid and Acellular Pertussis Vaccine Adsorbed	Sanofi Pasteur	Tetanus toxoid, diphtheria toxoid, and 5 pertussis antigens (detoxified pertussis toxin, filamentous hemagglutinin, pertactin, fimbriae types 2 and 3) individually adsorbed onto aluminum phosphate
Boostrix®	Tetanus Toxoid, Reduced Diphtheria Toxoid and Acellular Pertussis Vaccine, Adsorbed	GlaxoSmithKline	Diphtheria toxoid, tetanus toxoid, and 3 pertussis antigens (inactivated pertussis toxin, filamentous hemagglutinin, and pertactin) adsorbed onto aluminum hydroxide
Comvax®	Haemophilus b Conjugate Vaccine (Meningococcal Protein Conjugate) and Hepatitis B (Recombinant) Vaccine	Merck & Co.	Preparation containing the antigenic components used in producing PedvaxHIB® and Recombivax HB®
Daptacel®	Diphtheria and Tetanus Toxoids and Acellular Pertussis Vaccine Adsorbed	Sanofi Pasteur	Tetanus toxoid, diphtheria toxoid, and 5 pertussis antigens (detoxified pertussis toxin, filamentous hemagglutinin, pertactin, fimbriae types 2 and 3) individually adsorbed onto aluminum phosphate
Decavac®	Tetanus and Diphtheria Toxoids Adsorbed (Adult)	Sanofi Pasteur	Alum-precipitated tetanus and diphtheria toxoids
Dultavax® Revaxis®	Diphtheria, Tetanus and Inactivated Poliomyelitis Vaccine Adsorbed	Sanofi Pasteur	Diphtheria toxoid, tetanus toxoid, inactivated poliovirus types 1, 2, and 3 adsorbed on aluminum hydroxide
Hepatyrix®	Hepatitis A (Inactivated, Adsorbed) and Typhoid Polysaccharide Vaccine	GlaxoSmithKline	Inactivated Hepatitis A virus (HM175 strain) grown in MRC-5 cells plus Vi polysaccharide of <i>Salmonella typhi</i> (Ty2 strain) adsorbed on aluminum hydroxide
Imovax® d.T.	Diphtheria and Tetanus Vaccine (Adsorbed)	Sanofi Pasteur	Diphtheria toxoid and tetanus toxoid adsorbed on aluminum hydroxide dihydrate
Infanrix®	Diphtheria and Tetanus Toxoids and Acellular Pertussis Vaccine Adsorbed	GlaxoSmithKline	Diphtheria and tetanus toxoids and 3 pertussis antigens (inactivated pertussis toxin, filamentous hemagglutinin, and pertactin) adsorbed onto aluminum hydroxide
Infanrix® IPV	Diphtheria, Tetanus, Pertussis (Acellular, Component) and Poliomyelitis (Inactivated) Vaccine (Adsorbed)	GlaxoSmithKline	Diphtheria and tetanus toxoids and 3 pertussis antigens (inactivated pertussis toxin, filamentous hemagglutinin, and pertactin) adsorbed onto aluminum hydroxide plus inactivated poliovirus types 1, 2, and 3 grown in VERO cell culture

## Vaccines (Continued)

### Combination vaccines (continued)

Product Name	Generic name	Manufacturer	Description
M-M-R® II	Measles, Mumps, and Rubella Virus Vaccine Live	Merck & Co.	Preparation of Attenuvax®, MumpsVax®, and Meruvax® II
M-M Vax™	Measles and Mumps Virus Vaccine Live	Merck & Co.	Preparation of Attenuvax® and MumpsVax®
Pediarix®	Diphtheria and Tetanus Toxoids and Acellular Pertussis Adsorbed, Hepatitis B (Recombinant) and Inactivated Poliovirus Vaccine Combined	GlaxoSmithKline	Preparation containing the antigenic components used in producing Infanrix® and Engerix-B®, plus purified, formaldehyde-inactivated poliovirus Type 1 (Mahoney), Type 2 (MEF-1), and Type 3 (Saukett) grown in VERO cell culture
Pentacel®	Haemophilus b Conjugate Vaccine (Tetanus Toxoid Conjugate) Reconstituted with Diphtheria and Tetanus Toxoids and Acellular Pertussis Vaccine Adsorbed Combined with Poliovirus Vaccine Inactivated	Sanofi Pasteur	Preparation of ActHIB® reconstituted with Quad-racel®
Pentavac® Pentaxim®	Adsorbed Diphtheria, Tetanus, Acellular Pertussis, Inactivated Poliomyelitis Vaccine and Conjugate <i>Haemophilus influenzae</i> type b Vaccine	Sanofi Pasteur	Diphtheria toxoid, tetanus toxoid, pertussis antigens (toxoid, filamentous hemagglutinin), inactivated poliomyelitis virus types 1, 2, and 3, and Hib polysaccharide conjugated with tetanus protein
Priorix®	Measles, Mumps, and Rubella Vaccine (Live Attenuated Virus )	GlaxoSmithKline	Schwarz measles, RIT 4385 mumps and Wistar RA 27/3 rubella virus strains
Proquad®	Measles, Mumps, Rubella and Varicella (Oka/Merck) Virus Vaccine Live	Merck & Co.	Preparation containing the components of M-M-R® II, and Varivax®
Quadracel®	Component Pertussis Vaccine and Diphtheria and Tetanus Toxoids Adsorbed Combined with Inactivated Poliomyelitis Vaccine	Sanofi Pasteur	Preparation of Adacel® combined with inactivated poliomyelitis vaccine (diploid cell origin) types 1, 2, and 3
R.O.R.® Trimovax®	Live Attenuated Virus Vaccine against Measles, Mumps and Rubella	Sanofi Pasteur	Live attenuated measles virus (Schwarz strain) grown in chick embryo cells, mumps virus (Urabe AM-9 strain) grown in embryonated hens eggs, and rubella virus (Wistar RA 27/3M strain) grown in human diploid cells
Rudi-Rouvax®	Live Attenuated Virus Vaccine against Rubella and Measles	Sanofi Pasteur	Live attenuated measles virus (Schwarz strain) grown on chick embryo cell culture and rubella virus (Wistar RA 27/3M strain)
TriHIBit®	Haemophilus b Conjugate Vaccine (Tetanus Toxoid Conjugate) Reconstituted with Diphtheria and Tetanus Toxoids and Acellular Pertussis Vaccine Adsorbed	Sanofi Pasteur	Preparation of ActHIB® reconstituted with Tri-pedia®
Tripedia®	Diphtheria and Tetanus Toxoids and Acellular Pertussis Vaccine Adsorbed	Sanofi Pasteur	Alum adsorbed diphtheria and tetanus toxoids combined with acellular pertussis concentrate (inactivated pertussis toxin and filamentous hemagglutinin)
Twinrix®	Hepatitis A Inactivated and Hepatitis B (Recombinant) Vaccine	GlaxoSmithKline	Preparation containing the antigenic components used in producing Havrix® and Engerix-B®