

USA & CANADA - ABORTED FETAL CELL LINE PRODUCTS AND ETHICAL ALTERNATIVES (Aug 2019)

Disease	Product Name	Manufacturer	Fetal Cell Line	Ethical Version	Manufacturer	Cell Line
Acute Respiratory	Adenovirus 4,7 Oral	Barr Labs	WI-38	None	N/A	N/A
Chickenpox	All Varivax, Varilrix	Merck, GSK	WI-38, MRC-5	None	N/A	N/A
Cystic Fibrosis	Pulmozyme	Genentech	HEK-293	N-acetylcysteine, Hyper-sal	Various	N/A
Anemia (Cancer patients, severe kidney disease)	Procrit, Epoetin alfa Epogen, Aranesp, Darbepoetin alfa	Amgen	Human erythropoietin gene from fetal liver lambda.hE1/	None	N/A	N/A
Ebola - In Development	AdVacEbola VSV-EBOV	J&J/Crucell, NewLink /BioProtSv	PER C6, HEK-293	rVSV-ZEBOV, GOVOX-E301,2 ZMapp Therapeutic	Merck, GeoVax LeafBio	Vero, Egg Tobacco
Heart problems	Abciximab (Repro)	Eli Lilly	HEK-293	Integrilin, Angiomax	Merck, Medicine Co.	N/A
Hemophilia	rhFVI, Nuwiq, Eloctate	Octapharma, BioGen	HEK-293	Advate, Kogenate	Baxter	Hamster
Hepatitis A	Vaqta, Havrix Avaxim, Epaxal	Merck, GSK Sanofi, Berna	MRC-5 MRC-5	Aimmugen None in US or Canada	Kaketsuken (Japan only)	Vero (monkey)
Hepatitis A & B Hepatitis A & Typhoid	Twinrix Vivaxim	GSK Sanofi	MRC-5 MRC-5	Engerix Hep-B Only Recombivax Hep-B, TyphimVi	GSK Merck	Yeast Yeast
Infection prevention	G-CSF	Octapharma	HEK-293	Neupogen, Zarxio	Amgen, Sandoz	E-coli
Measles/Mumps/Rubella	MMR, Priorix	Merck, GSK	RA273, WI-38, MRC-5	MR+M (Japan only)	Mitsubishi, Kitasato	Quail, egg, rabbit
Measles-Rubella	MR Vax, Eolarix	Merck, GSK.	RA273, WI-38,MRC-5	Attenuvax (Measles Only)* AIK-C + R, Tanabe + R (Japan)	Merck Kitasato, Mitsubishi	Chick egg Hen egg, rabbit
Mumps-Rubella	Biavax II	Merck	RA273, WI-38	Mumpsvax (Mumps Only)*	Merck	Chick egg
Rubella	Meruvax II	Merck	RA273, WI-38	Matsuura, Takahashi (Japan)	Mitsubishi, Kitasato	Quail egg, rabbit
MMR + Chickenpox	ProQuad/MMR-V Priorix Tetra	Merck GSK	RA273, WI-38, MRC-5	None	N/A	N/A
Polio	Poliovax, DT PolAds Polio Sabin (oral)	Sanofi Pasteur GSK	MRC-5 MRC-5	IPOL, IMOVAX® Polio**	Sanofi Pasteur	Vero
Polio Combination (DTaP, polio, HiB)	Pentacel, Quadracel Infanrix-IPV-HiB	Sanofi Pasteur GSK	MRC-5	Pediacel, Pediarix, InfanrixHexa, Vaxelis, Any shot separately	Sanofi, GSK	Vero
Rabies	Imovax**	Sanofi Pasteur	MRC-5	RabAvert	GSK	Hen eggs
Rheumatoid Arthritis	Enbrel	Amgen	WI-26 VA4 - RDNA	Humira, Cimzia, Orencia	Abbott, UCB, BMS	Hamster
Shingles	Zostavax	Merck.	WI-38, MRC-5	Shingrix	GSK	Hamster
Smallpox	Acambis 1000	Acambis	MRC-5	ACAM2000, MVA3000	Acambis/Baxter	Vero

Note: Immune-Globulin shots will provide temporary immunity (4-6 months) for Hepatitis-A and Rubella (3-4 months)

***Moral versions of Measles and Mumps are currently UNAVAILABLE as of January 2010 – TELL MERCK TO PROVIDE THEM!**

****NOTE: IMOVAX®Polio is a moral version for polio vaccine in Canada and is not the same as IMOVAX for rabies.**

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