

I understand that by not receiving these vaccines, my children will not be at risk for the following vaccine side effects:

Vaccines by multiple manufacturers	Ingredients* partial list in one or more vaccines	Side Effects** including a partial list of reactions, events & reports*
DTaP (Diphtheria, Tetanus, Toxioids, and Acellular Pertussis) Vaccine Adsorbed	Aluminum Phosphate, Ammonium Sulfate, Aluminum Potassium Sulfate, Thimerosal [a vaccine preservative that is approximately 50% mercury by weight] Formaldehyde or Formalin, Glutaraldehyde, 2-Phenoxyethanol, Dimethyl-beta-cyclodextrin, Sodium Phosphate, Polysorbate 80.	Autism, fever, anorexia, vomiting, pneumonia, meningitis, sepsis, pertussis, convulsions, febrile, grand mal, afebrile and partial seizures, encephalopathy, brachial neuritis, Guillain-Barré syndrome, Sudden Infant Death syndrome.
DTaP/HepB/IPV Combination Vaccine, Diphtheria and Tetanus Toxioids and Acellular Pertusis Adsorbed, Hepatitis B (Recombinant) and Inactivated Poliovirus Vaccine Combined	Aluminum Hydroxide, Aluminum Phosphate, Formaldehyde or Formalin, Glutaraldehyde, Monkey Kidney Tissue, Neomycin, 2-Phenoxyethanol, Polymyxin B, Polysorbate 80, Antibiotics, Yeast Protein.	Seizures, diabetes mellitus, asthma, Sudden Infant Death Syndrome, upper respiratory tract infection, abnormal liver function tests, anorexia, jaundice, shock, encephalopathy, Stevens-Johnson syndrome, brachial neuritis.
Flu Vaccine Influenza Virus Vaccine	Thimerosal [a preservative that is approximately 50% mercury by weight], Chick Kidney Cells, Egg Protein, Gentamicin Sulfate, Antibiotics, Monosodium Glutamate [MSG], Sucrose Phosphate Glutamate Buffer.	Significant respiratory and gastrointestinal symptoms, seizure, allergic asthma, decreased appetite, increased mitochondrial encephalomyopathy, partial facial paralysis, Guillain-Barré syndrome, Bell's palsy, Stevens-Johnson syndrome, herpes zoster [shingles].
Hep B Vaccine Hepatitis B Vaccine	Aluminum Hydroxyphosphate Sulfate, Amino Acids, Dextrose, Phosphate Buffers, Potassium Aluminum Sulfate, Formaldehyde or Formalin, Mineral Salts, Soy Peptone, Yeast Protein	Influenza, febrile seizure, anorexia, upper respiratory tract illnesses, herpes zoster, encephalitis, palpitations, arthritis, systemic lupus erythematosus (SLE), conjunctivitis, abnormal liver function tests, Guillain-Barré syndrome, Bell's palsy, multiple sclerosis, anaphylaxis, seizures.
HIB Vaccine Haemophilus b Conjugate Vaccine (Tetanus Toxioid Conjugate)	Ammonium Sulfate, Formaldehyde or Formalin, Sucrose.	Anorexia, seizures, renal failure, Guillain-Barré Syndrome (GBS), diarrhea, vomiting.
HIB/HepB Vaccine, (Recombinant) Haemophilus b Conjugate (Meningococcal Protein Conjugate) and Hep B	Aluminum Hydroxyphosphate Sulfate, Formaldehyde or Formalin, Sodium Borate, Soy Peptone, Yeast Protein, AminoAcids, Dextrose, Mineral Salts.	Anorexia, seizure, otitis media [ear infections], upper respiratory infection, oral candidiasis [yeast infection], anaphylaxis [shock].
HIB / Meningococcal [Haemophilus b Conjugate Vaccine (Meningococcal Protein Conjugate)]	Aluminum Hydroxyphosphate Sulfate, Formaldehyde or Formalin, Phosphate Buffers.	Febrile seizures, early onset HIB disease, otitis media [ear infection], upper respiratory infection, Guillain-Barré syndrome.
MMR Vaccine, Measles, Mumps and Rubella Virus Vaccine Live	Chick Embryo Fibroblasts, Amino Acid, Bovine Albumin or Serum, Human Serum Albumin, Antibiotics, Glutamate, Phosphate Buffers, Gelatin, Sorbitol, Sucrose, Vitamins.	Atypical measles, arthritis, encephalitis, death, aseptic meningitis, nerve deafness, otitis media [ear infection].

Pneumococcal, Pneumococcal 7-valent Conjugate Vaccine (Diphtheria CRM197 Protein)	Aluminum Phosphate, Yeast Extract, Amino Acid, Soy Peptone.	Febrile seizure, Sudden Infant Death, anaphylactoid reaction including shock, decreased appetite,
Poliovirus Vaccine (IPV) Poliovirus Vaccine Inactivated	2-Phenoxyethanol, Formaldehyde or Formalin, Monkey Kidney Tissue, Newborn Calf Serum Protein, Antibiotics, Neomycin, Polymyxin B, Streptomycin.	Death, anorexia, Guillain-Barré syndrome.
Chicken Pox (Varicella) Virus Vaccine	Ethylenediamine-Tetraacetic Acid Sodium (EDTA) [a metals chelation agent], Bovine Albumin or Serum, Antibiotics, Monosodium glutamate [MSG], MRC-5 DNA and Cellular Protein, Neomycin, Potassium Chloride, Potassium Phosphate Monobasic, Sodium Phosphate Monobasic, Sucrose.	Febrile seizures, encephalitis, Varicella-like rash, upper respiratory illness, lower respiratory illness, eczema, encephalitis, facial edema, cold/canker sore, aseptic meningitis, Guillain-Barré Syndrome, Bell's palsy, pneumonia, secondary bacterial infections.

\*\* This is a partial ingredient list with information from "Vaccine Excipient & Media Summary, Part 2, Excipients included in U.S. Vaccines, by Vaccine." - [www.cdc.gov/vaccines/pubs/pinkbook/downloads/appendices/B/excipient-table-2.pdf](http://www.cdc.gov/vaccines/pubs/pinkbook/downloads/appendices/B/excipient-table-2.pdf)

\*\* This list contains a combination of many adverse post-vaccination occurrences, and possible occurrences, that have been published in the manufacturer's own documents. Any use of [brackets] is information added by Generation Rescue. This list may not contain all adverse occurrences; it may contain typographical errors, and it does not take the place of reading the manufacturers' most current documents in their entirety.

Attached are additional supporting documents for our choosing not to vaccinate for religious and philosophical reasons. Please see attached papers & keep in my child's file.

In addition to Section 1 of Idaho certificate of immunization exemption for school immunization requirement, I recognize and understand that by receiving these vaccines, my child would be at increased risk for developing the following *(Some copied directly from vaccine inserts)*:

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**Diphtheria (DtaP, Tdap, Td):**

- Life-threatening allergic reaction
- Seizures
- Coma or lowered consciousness
- Brain damage
- Guillain-Barré syndrome
- Encephalopathy (brain disease)
- Excruciating pain and/or swelling
- Fainting
- Blood and lymphatic disorders
- Death
- 229 Lymphadenopathy
- 230 Cardiac disorders
- 231 Cyanosis
- 232 Gastro-intestinal disorders
- 233 Nausea, diarrhea
- 234 General disorders and administration site conditions
- 235 Local reactions: injection site pain, injection site rash, injection site nodule, injection site
- 236 mass, extensive swelling of injected limb (including swelling that involves adjacent joints).
- 237 Infections and infestations
- 238 Injection site cellulitis, cellulitis, injection site abscess
- 239 Immune system disorders
- 240 Hypersensitivity, allergic reaction, anaphylactic reaction (edema, face edema, swelling face,
- 241 pruritus, rash generalized) and other types of rash (erythematous, macular, maculo-papular)
- 242 Nervous system disorders
- 243 Convulsions: febrile convulsion, grand mal convulsion, partial seizures
- 244 HHE, hypotonia, somnole

**Tetanus (DtaP, Tdap, Td):**

- Life-threatening allergic reaction
- Seizures
- Coma or lowered consciousness
- Brain damage
- Guillain-Barré syndrome
- Encephalopathy (brain disease)
- Excruciating pain / swelling
- Fainting
- Death

229 Lymphadenopathy  
230 Cardiac disorders  
231 Cyanosis  
232 Gastro-intestinal disorders  
233 Nausea, diarrhea  
234 General disorders and administration site conditions  
235 Local reactions: injection site pain, injection site rash, injection site nodule, injection site  
236 mass, extensive swelling of injected limb (including swelling that involves adjacent joints).  
237 Infections and infestations  
238 Injection site cellulitis, cellulitis, injection site abscess  
239 Immune system disorders  
240 Hypersensitivity, allergic reaction, anaphylactic reaction (edema, face edema, swelling face,  
241 pruritus, rash generalized) and other types of rash (erythematous, macular, maculo-papular)  
242 Nervous system disorders  
243 Convulsions: febrile convulsion, grand mal convulsion, partial seizures  
244 HHE, hypotonia, somnole

**Pertusses (Whooping Cough) (DtaP, Tdap):**

Life-threatening allergic reaction  
Long-term seizures, coma, or lowered consciousness  
Permanent brain damage or Encephalopathy  
Guillain Barre syndrome (GBS)  
A temperature of 105 degrees or higher  
Collapse or shock-like state  
Excruciating pain and/or swelling  
Brief fainting spells and related symptoms  
Death  
229 Lymphadenopathy  
230 Cardiac disorders  
231 Cyanosis  
232 Gastro-intestinal disorders  
233 Nausea, diarrhea  
234 General disorders and administration site conditions  
235 Local reactions: injection site pain, injection site rash, injection site nodule, injection site  
236 mass, extensive swelling of injected limb (including swelling that involves adjacent joints).  
237 Infections and infestations  
238 Injection site cellulitis, cellulitis, injection site abscess  
239 Immune system disorders  
240 Hypersensitivity, allergic reaction, anaphylactic reaction (edema, face edema, swelling face,  
241 pruritus, rash generalized) and other types of rash (erythematous, macular, maculo-papular)  
242 Nervous system disorders  
243 Convulsions: febrile convulsion, grand mal convulsion, partial seizures  
244 HHE, hypotonia, somnole

**Polio:**

Vaccine caused Polio-Myelitis  
Life-threatening allergic reaction  
Death  
Blood and lymphatic system disorders  
General disorders and administration site conditions  
Immune system disorders  
Musculoskeletal and connective tissue disorders  
Nervous system disorders  
Skin and subcutaneous tissue disorders

**Measles (MMR):**

Temporary low platelet count (thrombocytopenic purpura), which can cause a bleeding disorder  
Vaccine-strain measles (a viral infection in an immunodeficient recipient)  
Febrile seizure  
Pain and stiffness in the joints  
Serious allergic reaction (anaphylaxis)  
Deafness  
Inflammatory Bowel Disease or viral infection  
Long-term seizures, coma or lowered consciousness  
Permanent brain damage / encephalopathy  
Vaccine caused Polio-Myelitis

**Mumps (MMR):**

Temporary low platelet count (thrombocytopenic purpura), which can cause a bleeding disorder  
Vaccine-strain measles (a viral infection in an immunodeficient recipient)  
Febrile seizure  
Pain and stiffness in the joints  
Serious allergic reaction (anaphylaxis)  
Deafness  
Inflammatory Bowel Disease or viral infection  
Long-term seizures, coma or lowered consciousness  
Permanent brain damage / encephalopathy  
Vaccine caused Polio-Myelitis

**Rubella (German Measles) (MMR):**

Temporary low platelet count (thrombocytopenic purpura), which can cause a bleeding disorder  
Vaccine-strain measles (a viral infection in an immunodeficient recipient)  
Febrile seizure  
Pain and stiffness in the joints  
Serious allergic reaction (anaphylaxis)  
Deafness  
Inflammatory Bowel Disease or viral infection  
Long-term seizures, coma or lowered consciousness  
Permanent brain damage / encephalopathy  
Death

**Varicella (Chickenpox):**

Anaphylaxis  
Aplastic anemia  
Thrombocytopenia (including ITP)  
Varicella (Chicken Pox - vaccine strain)  
Encephalitis  
Cerebrovascular accident  
Transverse myelitis  
Guillain-Barré syndrome  
Bell's palsy;  
Ataxia  
Non-febrile seizures

Aseptic meningitis  
Paresthesia.  
Pharyngitis; pneumonia/pneumonitis.  
Stevens-Johnson syndrome  
Erythema multiforme  
Henoch-Schönlein purpura  
Secondary bacterial infections including impetigo and cellulitis; herpes zoster

### **Hepatitis A:**

Infections and Infestations: Rhinitis.  
Blood and Lymphatic System Disorders: Thrombocytopenia.  
Immune System Disorders: Anaphylactic shock, anaphylactoid reaction, serum sickness-like syndrome.  
Nervous System Disorders: Convulsion, dizziness, encephalopathy, Guillain-Barré syndrome, hypoesthesia, multiple sclerosis, myelitis, neuropathy, paresthesia, somnolence, syncope.  
Vascular Disorders: Vasculitis.  
Respiratory, Thoracic, and Mediastinal Disorders: Dyspnea.  
Hepatobiliary Disorders: Hepatitis, jaundice.  
Skin and Subcutaneous Tissue Disorders: Angioedema, erythema multiforme, hyperhidrosis.  
Congenital, Familial, and Genetic Disorders: Congenital anomaly.  
Musculoskeletal and Connective Tissue Disorders: Musculoskeletal stiffness.  
General Disorders and Administration Site Conditions: Chills, influenza-like symptoms, injection site reaction, local swelling.  
Death

### **Hepatitis B:**

Digestive System: Elevation of liver enzymes; constipation  
Nervous System: Guillain-Barré Syndrome; multiple sclerosis; exacerbation of multiple sclerosis; myelitis including transverse myelitis; seizure; febrile seizure; peripheral neuropathy including Bell's Palsy; radiculopathy; herpes zoster; migraine; muscle weakness; hypesthesia; encephalitis  
Integumentary System: Stevens-Johnson Syndrome; alopecia; petechiae; eczema  
Musculoskeletal System: Arthritis, Pain in extremity, Hematologic, Increased erythrocyte sedimentation rate; thrombocytopenia  
Immune System: Systemic lupus erythematosus (SLE); lupus-like syndrome; vasculitis; polyarteritis nodosa  
Psychiatric/Behavioral: Irritability; agitation; somnolence  
Special Senses: Optic neuritis; tinnitus; conjunctivitis; visual disturbances; uveitis  
Cardiovascular System: Syncope; tachycardia  
Keratitis  
Liver Failure  
Anaphylaxis  
Death

### **Meningococcal:**

Paraesthesia  
Vasovagal syncope  
Convulsion  
Facial palsy  
Acute disseminated encephalomyelitis  
Transverse myelitis  
Myalgia  
Anaphylaxis  
Guillain Barr Syndrome (GBS)  
Death

In addition to these listed possible effects, all vaccines which contain formaldehyde (*a carcinogen*) run the risk of causing cancer.

All vaccines which contain aluminum are at risk for causing Alzheimers, immunological disorders, autoimmunity, long-term brain inflammation, neurological complications & cancer.

No testing has been done on the carcinogenic (cancerous) effects of vaccines, & no testing has been done on the effects of vaccines being given to the infants/fetuses of pregnant women, nursing women, & in many cases, children under 1 year of age.

Autoimmunity caused by vaccines includes any auto-immune diseases, including diabetes & allergies. This is clearly shown in research studies & vaccine inserts both.

Mercury (Thimerosal) still exists in flu/influenza vaccines, meningococcal, tetanus, dTaP, dTaP+Hib, DT, & TdVaccines. Those with trace amounts are more than 3 x's the EPA's classification for hazardous waste. Those with the full 25 mcg's are more than 125 times the EPA'S classification for hazardous waste & 12,500 x's the safe limit for drinking water.

## Vaccine Excipient & Media Summary

### Excipients Included in U.S. Vaccines, by Vaccine

This table includes not only vaccine ingredients (e.g., adjuvants and preservatives), but also substances used during the manufacturing process, including vaccine-production media, that are removed from the final product and present only in trace quantities.

In addition to the substances listed, most vaccines contain Sodium Chloride (table salt).

**Last Updated February 2012**

All reasonable efforts have been made to ensure the accuracy of this information, but manufacturers may change product contents before that information is reflected here. If in doubt, check the manufacturer's package insert.

Vaccine	Contains	Source: Manufacturer's P.I. Dated
Adenovirus	sucrose, D-mannose, D-fructose, dextrose, potassium phosphate, plasdone C, anhydrous lactose, micro crystalline cellulose, polacrilin potassium, magnesium stearate, cellulose acetate phthalate, alcohol, acetone, castor oil, FD&C Yellow #6 aluminum lake dye, human serum albumin, fetal bovine serum, sodium bicarbonate, human-diploid fibroblast cell cultures (WI-38), Dulbecco's Modified Eagle's Medium	March, 2011
Anthrax (Biothrax)	aluminum hydroxide, benzethonium chloride, formaldehyde, amino acids, vitamins, inorganic salts and sugars	December, 2008
BCG (Tice)	glycerin, asparagine, citric acid, potassium phosphate, magnesium sulfate, Iron ammonium citrate, lactose	February, 2009
DT (Sanofi)	aluminum potassium sulfate, peptone, bovine extract, formaldehyde, thimerosal (trace), modified Mueller and Miller medium	December, 2005
DTaP (Daptacel)	aluminum phosphate, formaldehyde, glutaraldehyde, 2-Phenoxyethanol, Stainer-Scholte medium, modified Mueller's growth medium, modified Mueller-Miller casamino acid medium (without beef heart infusion)	July, 2011
DTaP (Infanrix)	formaldehyde, glutaraldehyde, aluminum hydroxide, polysorbate 80, Fenton medium (containing bovine extract), modified Latham medium (derived from bovine casein), modified Stainer-Scholte liquid medium	November, 2011
DTaP (Tripedia)	sodium phosphate, peptone, bovine extract (U.S. sourced), formaldehyde, ammonium sulfate, , aluminum potassium sulfate, thimerosal (trace), gelatin, polysorbate 80 (Tween 80), modified Mueller and Miller medium, modified Stainer-Scholte medium	December, 2005
DTaP-IPV (Kinrix)	formaldehyde, glutaraldehyde, aluminum hydroxide, Vero (monkey kidney) cells, calf serum, lactalbumin hydrolysate, polysorbate 80, neomycin sulfate, polymyxin B, Fenton medium (containing bovine extract), modified Latham medium (derived from bovine casein), modified Stainer-Scholte liquid medium	November, 2011
DTaP-HepB-IPV (Pediarix)	formaldehyde, glutaraldehyde, aluminum hydroxide, aluminum phosphate, lactalbumin hydrolysate, polysorbate 80, neomycin sulfate, polymyxin B, yeast protein, calf serum, Fenton medium (containing bovine extract), modified Latham medium (derived from bovine casein), modified Stainer-Scholte liquid medium, Vero (monkey kidney) cells	November, 2011
DTaP-IPV/Hib (Pentacel)	aluminum phosphate, polysorbate 80, formaldehyde, gutaraldehyde, bovine serum albumin, 2-phenoxyethanol, neomycin, polymyxin B sulfate, Mueller's Growth Medium, Mueller-Miller casamino acid medium (without beef heart infusion), Stainer-Scholte medium (modified by the addition of casamino acids and dimethyl-beta-cyclodextrin), MRC-5 (human diploid) cells, CMRL 1969 medium (supplemented with calf serum).	July, 2011
Hib (ActHIB)	ammonium sulfate, formalin, sucrose, Modified Mueller and Miller medium	May, 2009
Hib (Hiberix)	formaldehyde, lactose.	December, 2010
Hib (PedvaxHIB)	aluminum hydroxphosphate sulfate.	December, 2010

<b>Vaccine</b>	<b>Contains</b>	<b>Source: Manufacturer's P.I. Dated</b>
Hib/Hep B (Comvax)	yeast (vaccine contains no detectable yeast DNA), nicotinamide adenine dinucleotide, hemin chloride, soy peptone, dextrose, mineral salts, amino acids, formaldehyde, potassium aluminum sulfate, amorphous aluminum hydroxyphosphate sulfate, sodium borate	December, 2010
Hep A (Havrix)	aluminum hydroxide, amino acid supplement, polysorbate 20, formalin, neomycin sulfate, MRC-5 cellular proteins	July, 2011
Hep A (Vaqta)	amorphous aluminum hydroxyphosphate sulfate, bovine albumin, formaldehyde, neomycin, sodium borate, MRC-5 (human diploid) cells	December, 2010
Hep B (Engerix-B)	aluminum hydroxide, yeast protein, phosphate buffers.	October, 2011
Hep B (Recombivax)	yeast protein, soy peptone, dextrose, amino acids, mineral salts, potassium aluminum sulfate, amorphous aluminum hydroxyphosphate sulfate, formaldehyde.	July, 2011
Hep A/Hep B (Twinrix)	formalin, yeast protein, aluminum phosphate, aluminum hydroxide, amino acids, phosphate buffer, polysorbate 20, neomycin sulfate, MRC-5 human diploid cells	November, 2011
Human Papillomavirus (HPV) (Cerverix)	vitamins, amino acids, lipids, mineral salts, aluminum hydroxide, sodium dihydrogen phosphate dehydrate, insect cell and viral protein..	July, 2011
Human Papillomavirus (HPV) (Gardasil)	yeast protein, vitamins, amino acids, mineral salts, carbohydrates, amorphous aluminum hydroxyphosphate sulfate, L-histidine, polysorbate 80, sodium borate.	March, 2011
Influenza (Afluria)	beta-propiolactone, thimerosal (multi-dose vials only), monobasic sodium phosphate, dibasic sodium phosphate, monobasic potassium phosphate, potassium chloride, calcium chloride, sodium taurodeoxycholate, neomycin sulfate, polymyxin B, egg protein	November 2011
Influenza (Fluarix)	sodium deoxycholate, formaldehyde, octoxynol-10 (Triton X-100), $\alpha$ -tocopheryl hydrogen succinate, polysorbate 80 (Tween 80), hydrocortisone, gentamicin sulfate, ovalbumin	April, 2011
Influenza (Fluvirin)	nonylphenol ethoxylate, thimerosal (multidose vial-trace only in prefilled syringe), polymyxin, neomycin, beta-propiolactone, egg proteins	May, 2011
Influenza (Flulaval)	thimerosal, $\alpha$ -tocopheryl hydrogen succinate, polysorbate 80, formaldehyde, sodium deoxycholate, ovalbumin	December, 2011
Influenza (Fluzone: Standard, High-Dose, & Intradermal)	formaldehyde, octylphenol ethoxylate (Triton X-100), sodium phosphate, gelatin (standard formulation only), thimerosal (multi-dose vial only) , egg protein	May, 2011
Influenza (FluMist)	ethylene diamine tetraacetic acid (EDTA), monosodium glutamate, hydrolyzed porcine gelatin, arginine, sucrose, dibasic potassium phosphate, monobasic potassium phosphate, gentamicin sulfate, egg protein	May, 2011
Japanese Encephalitis (Ixiaro)	aluminum hydroxide, Vero cells, protamine sulfate, formaldehyde, bovine serum albumin, sodium metabisulphite.	September, 2010
Meningococcal (MCV4-Menactra)	formaldehyde, phosphate buffers, Mueller Hinton agar, Watson Scherp media, Modified Mueller and Miller medium	November, 2011
Meningococcal (MCV4-Menveo)	formaldehyde, amino acids, yeast extract, Franz complete medium	March, 2011
Meningococcal (MPSV4-Menomune)	thimerosal (multi-dose vial only), lactose, Mueller Hinton agar, Watson Scherp media	January, 2009
MMR (MMR-II)	vitamins, amino acids, fetal bovine serum, sucrose, sodium phosphate, glutamate, recombinant human albumin, neomycin, sorbitol, hydrolyzed gelatin, chick embryo cell culture, WI-38 human diploid lung fibroblasts	December, 2010
MMRV (ProQuad)	sucrose, hydrolyzed gelatin, sorbitol, monosodium L-glutamate, sodium phosphate dibasic, human albumin, sodium bicarbonate, potassium phosphate monobasic, potassium chloride, potassium phosphate dibasic, neomycin, bovine calf serum, chick embryo cell culture, WI-38 human diploid lung fibroblasts, MRC-5 cells	August, 2011
Pneumococcal (PCV13 – Prevnar 13)	casamino acids, yeast, ammonium sulfate, Polysorbate 80, succinate buffer, aluminum phosphate	January, 2012



Vaccine	Contains	Source: Manufacturer's P.I. Dated
Pneumococcal (PPSV-23 – Pneumovax)	phenol.	October, 2011
Polio (IPV – Ipol)	2-phenoxyethanol, formaldehyde, neomycin, streptomycin, polymyxin B, monkey kidney cells, Eagle MEM modified medium, calf serum protein	December, 2005
Rabies (Imovax)	albumin, neomycin sulfate, phenol, MRC-5 human diploid cells	December, 2005
Rabies (RabAvert)	$\beta$ -propiolactone, potassium glutamate, chicken protein, ovalbumin, neomycin, chlortetracycline, amphotericin B, human serum albumin, polygeline (processed bovine 14 gelatin)	October, 2006
Rotavirus (RotaTeq)	sucrose, sodium citrate, sodium phosphate monobasic monohydrate, sodium hydroxide, polysorbate 80, cell culture media, fetal bovine serum, vero cells [DNA from porcine circoviruses (PCV) 1 and 2 has been detected in RotaTeq. PCV-1 and PCV-2 are not known to cause disease in humans.]	September, 2011
Rotavirus (Rotarix)	amino acids, dextran, , sorbitol, sucrose, calcium carbonate, xanthan, Dulbecco's Modified Eagle Medium (DMEM) [Porcine circovirus type 1 (PCV-1) is present in Rotarix. PCV-1 is not known to cause disease in humans.]	February, 2011
Smallpox (Vaccinia – ACAM2000)	human serum albumin, mannitol, neomycin, glycerin, polymyxin B, phenol, Vero cells	August, 2007
Td (Decavac)	aluminum potassium sulfate, peptone, formaldehyde, thimerosal, bovine muscle tissue (US sourced), Mueller and Miller medium,	March, 2011
Td (Tenivac)	aluminum phosphate, formaldehyde, modified Mueller-Miller casamino acid medium without beef heart infusion	December, 2010
Td (Mass Biologics)	aluminum phosphate, formaldehyde, thimerosal (trace), ammonium phosphate, modified Mueller's media (containing bovine extracts)	February, 2011
Tdap (Adacel)	aluminum phosphate, formaldehyde, glutaraldehyde, 2-phenoxyethanol, ammonium sulfate, Mueller's growth medium, Mueller-Miller casamino acid medium (without beef heart infusion)	December, 2010
Tdap (Boostrix)	formaldehyde, glutaraldehyde, aluminum hydroxide, polysorbate 80 (Tween 80), Latham medium derived from bovine casein, Fenton medium containing a bovine extract, Stainer-Scholte liquid medium	January, 2012
Typhoid (inactivated – Typhim Vi)	hexadecyltrimethylammonium bromide, phenol, polydimethylsiloxane, disodium phosphate, monosodium phosphate	December, 2005
Typhoid (oral – Ty21a)	yeast extract, casein, dextrose, galactose, sucrose, ascorbic acid, amino acids	August, 2006
Varicella (Varivax)	sucrose, phosphate, glutamate, gelatin, monosodium L-glutamate, sodium phosphate dibasic, potassium phosphate monobasic, potassium chloride, sodium phosphate monobasic, EDTA, residual components of MRC-5 cells including DNA and protein, neomycin, fetal bovine serum, human diploid cell cultures	August, 2011
Yellow Fever (YF-Vax)	sorbitol, gelatin, egg protein	January, 2010
Zoster (Shingles – Zostavax)	sucrose, hydrolyzed porcine gelatin, monosodium L-glutamate, sodium phosphate dibasic, potassium phosphate monobasic, neomycin, potassium chloride, residual components of MRC-5 cells including DNA and protein, bovine calf serum	June, 2011

A table listing vaccine excipients and media *by excipient* can be found in:

Grabenstein JD. *ImmunoFacts: Vaccines and Immunologic Drugs* – 2012 (37<sup>th</sup> revision). St Louis, MO: Wolters Kluwer Health, 2011.



PONTIFICIA ACADEMIA  
PRO VITA

Il Presidente  
Prot.n.P/3431

Mrs Debra L.Vinnedge Vatican City, June 9 2005  
Executive Director, Children of God for Life  
943 Deville Drive East  
Largo, Florida  
33771  
Stati Uniti

Dear Mrs Debra L.Vinnedge,

On June 4, 2003, you wrote to His Eminence Cardinal Joseph Ratzinger, with a copy of this letter forwarded to me, asking to the Sacred Congregation of the Doctrine of Faith a clarification about the liceity of vaccinating children with vaccines prepared using cell lines derived from aborted human fetuses. Your question regarded in particular the right of the parents of these children to oppose such a vaccination when made at school, mandated by law. As there were no formal guidelines by the magisterium concerning that topic, you said that catholic parents were often challenged by State Courts, Health Officials and School Administrators when they filled religious exemptions for their children to this type of vaccination.

This Pontifical Academy for Life, carrying out the commission entrusted to us by the Congregation for the Doctrine of Faith, in answer to your request, has proceeded to a careful examination of the question of these "tainted" vaccines, and has produced as a result a study (in Italian) that has been realized with the help of a group of experts. This study has been approved as such by the Congregation and we send you, there enclosed, an English translation of a synthesis of this study. This synthesis can be brought to the knowledge of the interested officials and organisms.

A documented paper on the topic will be published in the journal "*Medicina e Morale*", edited by the *Centra di Bioetica della Universita Cattolica* in Rome.

The study, its synthesis, and the translation of this material took some time. We apologize for the delay.

With my best regards,

Sincerely yours,

+ *E. Sgreccia*

+E.Sgreccia

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Full document mentioned above  
available at website below:

**MORAL REFLECTIONS  
ON VACCINES PREPARED FROM**

## Vaccines currently produced using human cell lines that come from aborted foetuses

To date, there are two human diploid cell lines which were originally prepared from tissues of aborted foetuses (in 1964 and 1970) and are used for the preparation of vaccines based on live attenuated virus: the first one is the WI-38 line (Winstar Institute 38), with human diploid lung fibroblasts, coming from a female foetus that was aborted because the family felt they had too many children (G. Sven et al., 1969). It was prepared and developed by Leonard Hayflick in 1964 (L. Hayflick, 1965; G. Sven et al., 1969)<sup>3</sup> and bears the ATCC number CCL-75. WI-38 has been used for the preparation of the historical vaccine RA 27/3 against rubella (S.A. Plotkin et al, 1965)<sup>4</sup>. The second human cell line is MRC-5 (Medical Research Council 5) (human, lung, embryonic) (ATCC number CCL-171), with human lung fibroblasts coming from a 14 week male foetus aborted for "psychiatric reasons" from a 27 year old woman in the UK. MRC-5 was prepared and developed by J.P. Jacobs in 1966 (J.P. Jacobs et al, 1970)<sup>5</sup>. Other human cell lines have been developed for pharmaceutical needs, but are not involved in the vaccines actually available<sup>6</sup>.

The vaccines that are incriminated today as using human cell lines from aborted foetuses, WI-38 and

[www.immunize.org/concerns/vaccineanddocument.htm](http://www.immunize.org/concerns/vaccineanddocument.htm)

2/7

1/10/1981can Statement on Vaccines Derived From Aborted Human Foetuses

MRC-5, are the following:<sup>7</sup>

### A) Live vaccines against rubella<sup>8</sup>:

- the monovalent vaccines against rubella Meruvax® (Merck) (U.S.), Rudivax® (Sanofi Pasteur, Fr.), and Enevax® (RA 27/3) (GlaxoSmithKline, Belgium);
- the combined vaccine MR against rubella and measles, commercialized with the name of M-R-VAX® (Merck, US) and Rudi-Rouvax® (AVP, France);
- the combined vaccine against rubella and mumps marketed under the name of Bivavax® (Merck, U.S.);
- the combined vaccine MMR (measles, mumps, rubella) against rubella, mumps and measles, marketed under the name of M-M-R® II (Merck, US), R.O.R.® (Sanofi Pasteur, Fr.), and Priorix® (GlaxoSmithKline UK).

### B) Other vaccines, also prepared using human cell lines from aborted foetuses:

- two vaccines against hepatitis A, one produced by Merck (VAQTA), the other one produced by GlaxoSmithKline (HAVRIX), both of them being prepared using MRC-5;
- one vaccine against chicken pox, Varivax®, produced by Merck using WI-38 and MRC-5;
- one vaccine against poliomyelitis, the inactivated polio virus vaccine Poliovax® (Aventis-Pasteur, Fr.) using MRC-5;
- one vaccine against rabies, Imovax®, produced by Aventis Pasteur, harvested from infected human diploid cells, MRC-5 strain;
- one vaccine against smallpox, AC AM 1000, prepared by Acambis using MRC-5, still on trial.