

VACCINE INGREDIENTS ...AND THEIR CHEMICAL PROFILES

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VACCINE INGREDIENTS

Source: 1997 Physicians' Desk Reference

Toll Free Numbers can be called to obtain product inserts.

This is a representative, not a comprehensive, list of the various types of vaccines.

Acel-Immune

DTaP

Diphtheria and Tetanus Toxoids and Acellular Pertussis Vaccine Adsorbed

Lederle Laboratories

1-800-934-5556

produced using formaldehyde, thimerosal, aluminum hydroxide, aluminum phosphate, polysorbate 80, gelatin (animal parts/bovine)

Act HIB

Haemophilus Influenzae Type B (Hib) Tetanus Toxoid Conjugate

Connaught Laboratories

1-800-822-2463

produced using ammonium sulfate, formalin, sucrose, thimerosal
medium: semi-synthetic

Attenuvax

Measles Virus Vaccine Live

Merck & Co, Inc.

1-800-672-6372

produced using neomycin, sorbitol, hydrolized gelatin
medium: chick embryo

DPT

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Adsorbed

SmithKline Beecham Pharmaceuticals

1-800-366-8900 ext. 5231

produced using aluminum phosphate, formaldehyde, ammonium sulfate, washed sheep red blood cells, glycerol, sodium chloride, thimerosal
medium: porcine (pig) pancreatic hydrolysate of casein

Energix-B
Hepatitis B
SmithKline Beecham Pharmaceuticals
1-800-633-8900 ext. 5231
produced using aluminum hydroxide, thimerosal
medium: yeast (possibly 5% residual)

Havrix
Hepatitis A
SmithKline Beecham Pharmaceuticals
1-800-633-8900 ext. 5231
produced using formalin, aluminum hydroxide, phenoxyethanol (antifreeze),
polysorbate 20, residual MRC5 proteins (from medium)
medium: human diploid cells (originating from human aborted fetal tissue)

Biavax
Rubella and Mumps Virus Vaccine Live
Merck & Co, Inc.
1-800-672-6372
produced using neomycin, sorbitol, hydrolized gelatin
medium: human diploid cells (originating from human aborted fetal tissue)

HibTiter
Haemophilus Influenzae Type B (Hib)
Lederle Laboratories
1-800-934-5556
produced using polyribosylribitol, ammonium sulfate, thimerosal
medium: chemically defined, yeast based

Fluvirin
Influenza Virus Vaccine
Medeva Pharmaceuticals
1-888-MEDEVA
(716)274-5300
produced using embryonic fluid (chicken egg), neomycin, polymyxin, thimerosal,
betapropiolactone
medium: embryonic fluid (chicken egg)

FluShield
Influenza Virus Vaccine, Trivalent, Types A&B
Wyeth-Ayerst

1-800-934-5556

produced using gentamicin sulfate, formaldehyde, polysorbate 80,
tri(n)butylphosphate, thimerosal
medium: chick embryos

IPOL

Inactivated Polio Vaccine
Connaught Laboratories

1-800-822-2463

produced using 3 types of polio virus, formaldehyde, phenoxyethanol (antifreeze),
neomycin, streptomycin, polymyxin B
medium: VERO cells, a continuous line of monkey kidney cells

MMR

Measles Mumps Rubella Live Virus Vaccine
Merck & Co., Inc.

1-800-672-6372 produced using sorbitol, neomycin, hydrolyzed gelatin
mediums: M&M - chick embryo

Rubella - human diploid cells (originating from human aborted fetal tissue)

M-R-Vax

Measles and Rubella Virus Vaccine Live
Merck & Co., Inc.

1-800-672-6372

produced using neomycin, sorbitol, hydrolyzed gelatin
mediums: M - chick embryo

R - human diploid cells (originating from human aborted fetal tissue)

Menomune

Meningococcal Polysaccharide Vaccine
Connaught Laboratories

1-800-822-2463

produced using thimerosal, lactose

medium: freeze dried polysaccharide antigens from Neisseria Meningitidis

Meruvax II

Rubella Virus Vaccine Live
Merck & Co., Inc.

1-800-672-6372

produced using neomycin, sorbitol, hydrolyzed gelatin

medium: human diploid cells (originating from human aborted fetal tissue)

Mumpsvox
Mumps Virus Vaccine Live
Merck & Co., Inc.
1-800-672-6372
produced using neomycin, sorbitol, hydrolyzed gelatin
medium: human diploid cells (originating from human aborted fetal tissue)

Orimune
Poliovirus Vaccine Live Oral Trivalent
Lederle Laboratories
1-800-934-5556
produced using 3 types of attenuated polioviruses, streptomycin, neomycin, calf serum, sorbitol
medium: monkey kidney cell culture

Pneumovax
Pneumococcal Vaccine Polyvalent
Merck & Co., Inc.
1-800-672-6372
produced using phenol and capsular polysaccharides from the 23 most prevalent pneumococcal types

Imovax
Rabies Vaccine Adsorbed
Connaught Laboratories
1-800-822-2463
produced using human albumin, neomycin sulfate, phenol red indicator
medium: human diploid cells (originating from human aborted fetal tissue)

Rabies Vaccine Adsorbed
SmithKline Beecham Pharmaceuticals
1-800-366-8900 ext. 5231
produced using betapropiolactone, aluminum phosphate, sodium ethylmercurithiosalicylate (thimerosal), phenol red
medium: fetal rhesus monkey lung cells

Recombivax
Hepatitis B Vaccine Recombinant
Merck & Co., Inc.
1-800-672-6372

produced using thimerosal, aluminum hydroxide
medium: yeast (residual < 1% yeast protein)

RotaShield

Rotavirus Vaccine, Live, Oral, Tetravalent

Wyeth-Ayerst Laboratories

1-800-934-5556

produced using 1 rhesus monkey rotavirus, 3 rhesus-human reassortant viruses,
sucrose, monosodium glutamate (MSG), potassium monophosphate, potassium
diphosphate, fetal bovine serum, neomycin sulfate, amphotericin B

medium: fetal rhesus diploid cell line

Varivax

Varicella Virus Vaccine Live

Merck & Co., Inc.

1-800-672-6372

produced using sucrose, phosphate, glutamate, processed gelatin

medium: human diploid cells (originating from human aborted fetal tissue)

Chemical Profiles and Definitions

visit <http://www.scorecard.org/> to investigate chemical profiles

Sources: EDF (Environmental Defense Fund) & MME (Mosby's Medical Encyclopedia)

Ammonium Sulfate: EDF Suspected - gastrointestinal or liver toxicant, neurotoxicant,
respiratory toxicant

Amphotericin B: MME definition - "a drug used to treat fungus infections. Known
allergy to this drug prohibits use. Side effects include blood clots, blood defects, kidney
problems, nausea and fever. When used on the skin, allergic reactions can occur."

Aluminum: EDF Suspected - cardiovascular, or blood toxicant, **neurotoxicant**,
respiratory toxicant.

More hazardous than most chemicals in 2 out of 6 ranking systems.

On at least 2 federal regulatory lists.

Beta-Propiolactone: EDF Recognized - carcinogen

EDF Suspected - gastrointestinal or liver toxicant; respiratory toxicant; skin or sense
organ toxicant.

More hazardous than most chemicals in 3 out of 3 ranking systems.

On at least 5 federal regulatory lists ranked as one of the most hazardous compounds
(worst 10%) to humans.

Formaldehyde: EDF Recognized - carcinogen
Suspected - gastrointestinal or liver toxicant; immunotoxicant, neurotoxicant, reproductive toxicant; respiratory toxicant; skin or sense organ toxicant.
More hazardous than most chemicals in 5 out of 12 ranking systems.
On at least 8 federal regulatory lists ranked as one of the most hazardous compounds (worst 10%) to ecosystems and human health.

Gentamicin Sulfate: an antibiotic

Hydrolyzed Gelatin: obtained from selected pieces of calf and cattle skins, demineralized cattle bones (ossein) and porkskin.

Neomycin: an antibiotic

Phenol : EDF Suspected - cardiovascular or blood toxicant aka Carboic Acid - developmental toxicant, gastrointestinal or liver toxicant kidney toxicant, neurotoxicant respiratory toxicant, skin or sense organ toxicant.
More hazardous than most chemicals in 3 out of 10 ranking systems.
On at least 8 federal regulatory lists.

Phenoxyethanol: EDF Suspected - developmental toxicant, reproductive toxicant (aka: Antifreeze).
Less hazardous than most chemicals in 3 ranking systems.

Polyribosylribitol: a component of the Hib bacterium

Polymyxin: an antibiotic

Polysorbate: EDF Suspected - skin or sense organ toxicant

Sorbitol: EDF Suspected - gastrointestinal or liver toxicant.
Less hazardous than most chemicals in 1 ranking system.

Streptomycin: an antibiotic

Sucrose: refined sugar

Thimerosal: EDF Recognized - developmental toxicant. Suspected - skin or sense organ toxicant.

Tri(n)butylphosphate: EDF Suspected - kidney toxicant neurotoxicant.
More hazardous than most chemicals in 2 out of 3 ranking systems.
On at least 1 federal regulatory list.