

Vaccines and Biologics injury table based on mechanistic evidence – Mar 2019

Vinu Arumugham
vinucubeacc@gmail.com

Injecting a viral or bacterial protein, trains the immune system to recognize the organism and attack it upon subsequent exposure. Thus protecting against disease. Vaccines however have a fundamental flaw. They contain numerous unrelated proteins used for growing the virus/bacteria, as excipients and contaminants. Such proteins include food, animal, fungal, non-target viral/bacterial and aeroallergen proteins. The result is numerous off-target immune responses that attack various parts of the body (autoimmunity (1–4)) and harmless environmental, food, fungal and commensal bacterial proteins, resulting in a variety of new man-made diseases many of which have not even been discovered. We are therefore discovering new diseases every day. The injuries/diseases described in this document therefore are only a subset of vaccine-induced injuries/diseases and will need constant updates.

Further, off-target immune responses may not result in overt clinical illness. Subclinical illnesses may make the body's processes suboptimal and shave decades off a person's life. Or, a person may suffer an illness that is vaccine-induced but not yet linked to a vaccine.

Most medical research findings are false (5,6) and are affected by flagrant conflicts of interest (7–9). Peer review is broken. (10–12) Most medical findings are based on epidemiological studies that are weak to start with and worse, scientists misinterpret the statistics thus resulting in type II errors. (13) Therefore most vaccine safety claims based on epidemiological studies are invalid. The National Vaccine Injury Compensation Program's Vaccine Injury Table (14) has only a small set of injuries based on these flawed studies. This document provides a more comprehensive table of vaccine injuries based on mechanistic evidence, which reflects reality.

The US Institute of Medicine (IOM) committee in their 2011 report (15) on Adverse Effects of Vaccines: Evidence and Causality wrote:

“The committee concluded the evidence convincingly supports 14 specific vaccine–adverse event relationships. In all but one of these relationships, the conclusion was based on strong mechanistic evidence with the epidemiologic evidence rated as either limited confidence or insufficient.”

So in an overwhelming 93% (13 of 14) cases, mechanistic studies provided convincing evidence and epidemiological studies failed to do so. Epidemiological studies have numerous sources of confounding and offer little value. Therefore, this document is mainly based on mechanistic evidence of injuries caused by vaccines and biologics.

Any vaccine can be contaminated with ingredients normally used in any other vaccine. Therefore there is a possibility that **any** vaccine can cause **any** of the diseases listed below. The US National Academy of Medicine (NAM) has documented that there are no regulations or labeling laws that govern such contamination. Therefore, vaccines contain numerous food proteins such as peanut, sesame, soy, milk, egg, gelatin, fish etc., for example, which are not always declared. (16)

When the ingredient that can cause the disease is declared or is likely to be present in the vaccine even without contamination, then the disease risk is higher. Such vaccines are listed under each disease.

The US Department of Health and Human Services (HHS) is required by law to continuously improve vaccine safety and provide a report of such improvements to Congress, every two years. The HHS admitted providing no such report and thus repeatedly broke the law for 30 years. (17)

The vaccine ingredients are derived from the Centers for Disease Control (18).

Vaccines

[Vaccine-induced diseases](#)

Each vaccine link below will transfer to a table of injuries caused by the vaccine.

[Adenovirus](#)

[Anthrax \(Biothrax\)](#)

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[DT \(Sanofi\)](#)

DTap ([Daptacel](#))

DTap ([Infanrix](#))

DTap IPV ([Kinrix](#))

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DTap HepB IPV ([Pediatrix](#))

DTap IPV/Hib ([Pentacel](#))

ActHiB

Hib ([Hiberix](#))

Hib ([PedvaxHIB](#))

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Hep A ([Vaqta](#))

Hep B ([Engerix-B](#))

Hep B ([Recombivax](#))

Hep B ([Heplisav-B](#))

Hep A/Hep B ([Twinrix](#))

Human Papillomavirus (HPV) ([Gardasil 9](#))

Influenza ([Afluria](#)) Trivalent & Quadrivalent

Influenza ([Fluad](#))

Influenza ([Fluarix](#)) Trivalent & Quadrivalent

Influenza ([Flublok](#)) Trivalent & Quadrivalent

Influenza ([Flucelvax](#)) Trivalent & Quadrivalent

Influenza ([Flulaval](#)) Trivalent & Quadrivalent

Influenza ([Fluvirin](#))

Influenza ([Fluzone](#)) Quadrivalent

Influenza ([Fluzone](#)) High Dose

Influenza ([Fluzone](#)) Intradermal

Influenza ([FluMist](#)) Quadrivalent

Japanese Encephalitis ([Ixiaro](#))

Meningococcal (MenACWY-[Menactra](#))

Meningococcal (MenACWY-[Menveo](#))

Meningococcal (MenB – [Bexsero](#))

Meningococcal (MenB – [Trumenba](#))

[MMR](#) (MMR-II)

[MMRV](#) (ProQuad)

Pneumococcal (PCV13 – [Pevnar 13](#))

Pneumococcal (PPSV-23 – [Pneumovax](#))

Polio (IPV – [Ipol](#))

Rabies ([Imovax](#))

Rabies ([RabAvert](#))

Rotavirus ([RotaTeq](#))

Rotavirus ([Rotarix](#))

[Smallpox](#) (Vaccinia) (ACAM2000)

Td ([Tenvirac](#))

Td ([Mass Biologics](#))

Tdap ([Adacel](#))

Tdap ([Boostrix](#))

Typhoid ([Typhim Vi](#))

Typhoid ([Vivotif Ty21a](#))

Varicella ([Varivax](#))

[Yellow Fever](#) (YF-Vax)

Zoster (Shingles) ([Zostavax](#))

Zoster (Shingles) ([Shingrix](#))

[Biologics](#)

Vaccine-induced diseases

[List of vaccines](#)

Each link below will transfer to a list of vaccines that can cause this disease.

[Asthma/Rhinitis/seasonal allergies/Pet allergies](#)

[Attention Deficit Hyperactivity Disorder \(ADHD\)](#)

[Alopecia areata](#)

[Alzheimer's](#)

[Atherosclerosis related coronary artery disease](#)

[Atopic dermatitis](#)

[Autism](#)

[Autoimmune diseases](#)

Blood brain barrier (BBB) [disruption](#)

[Cardiac arrhythmia](#)

[Cerebral infarction](#)

[Corn allergy](#)

[Crohn's disease](#)

[Diabetes mellitus](#)
[Egg allergy](#)
[Encephalitis](#)
[Epilepsy](#)
[Food allergy](#)
[Gelatin allergy](#)
[Guillain-Barre syndrome \(GBS\)](#)
[Hypothyroidism](#)
[Inflammatory bowel disease \(IBD\)](#)
[Kawasaki disease](#)
[Maternal antibody related autism](#)
[Maternal folate receptor alpha antibody related autism](#)
[Maternal glutamate receptor antibody related autism](#)
[Milk Allergy](#)

[Narcolepsy](#)
[Neurodegenerative disorders](#)
[Neuromyelitis Optica Spectrum Disorders \(NMOSD\)](#)
[Neuropsychiatric disorders](#)
[Obesity](#)
[Rheumatoid arthritis](#)
[Soy allergy](#)
[Sudden infant death syndrome \(SIDS\)](#)
[Systemic lupus erythematosus \(SLE\)](#)
[Type 1 diabetes \(T1D\)](#)
[Vitiligo](#)
[Wheat allergy](#)
[Yellow fever vaccine-associated viscerotropic disease](#)

Adenovirus

Ingredient	Disease
Bovine proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
human-diploid fibroblast cell cultures (strain WI-38), Dulbecco's Modified Eagle's Medium, fetal bovine serum, sodium bicarbonate, monosodium glutamate, sucrose, D-mannose, Dfructose, dextrose, human serum albumin, potassium phosphate, plasdone C, anhydrous lactose, microcrystalline cellulose, polacrillin potassium, magnesium stearate, cellulose acetate phthalate, alcohol, acetone, castor oil, FD&C Yellow #6 aluminum lake dye	

[Vaccine list](#)

[Disease list](#)

Anthrax (Biothrax)

Ingredient	Disease
amino acids, vitamins, inorganic salts, sugars, aluminum hydroxide, sodium chloride, benzethonium chloride, formaldehyde BCG (Tice) glycerin, asparagine, citric acid, potassium phosphate, magnesium sulfate, iron ammonium citrate, lactose	

[Vaccine list](#)

[Disease list](#)

Cholera (Vaxchora)

Ingredient	Disease
casamino acids, yeast extract, mineral salts, anti-foaming agent, ascorbic acid, hydrolyzed casein, sodium chloride, sucrose, dried lactose, sodium bicarbonate, sodium carbonate	

[Vaccine list](#)

[Disease list](#)

DT (Sanofi)

Ingredient	Disease
Bovine folate receptor alpha (FRA) protein	Autism , Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
<i>C. diphtheriae</i> and <i>C. tetani</i> residual proteins	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism , Alopecia areata
aluminum phosphate, isotonic sodium chloride, formaldehyde, casein, cystine, maltose, uracil, inorganic salts, vitamins, dextrose	

[Vaccine list](#)

[Disease list](#)

DTap (Daptacel)

Ingredient	Disease
Bovine folate receptor alpha (FRA) protein	Autism , Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
<i>C. diphtheriae</i> , <i>C. tetani</i> and <i>B. pertussis</i> residual proteins	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism , Alopecia areata
aluminum phosphate, formaldehyde, glutaraldehyde, 2-phenoxyethanol, Stainer-Scholte medium, casamino acids, dimethyl-beta-cyclodextrin, Mueller's growth medium, ammonium sulfate, modified Mueller-Miller casamino acid medium without beef heart infusion	

[Vaccine list](#)

[Disease list](#)

DTap (Infanrix)

Ingredient	Disease
Bovine folate receptor alpha (FRA) protein	Autism , Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
<i>C. diphtheriae</i> , <i>C. tetani</i> and <i>B. pertussis</i> residual proteins	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism , Alopecia areata
Fenton medium containing a bovine extract, modified Latham medium derived from bovine casein, formaldehyde, modified Stainer-Scholte liquid medium, glutaraldehyde, aluminum hydroxide, sodium chloride	

[Vaccine list](#)

[Disease list](#)

DTap IPV (Kinrix)

Ingredient	Disease
Bovine folate receptor alpha (FRA) protein	Autism , Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins, VERO cells	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
<i>C. diphtheriae</i> , <i>C. tetani</i> and <i>B. pertussis</i> residual proteins	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism , Alopecia areata
Fenton medium containing a bovine extract, modified Latham medium derived from bovine casein, formaldehyde, modified Stainer-Scholte liquid medium, glutaraldehyde, aluminum hydroxide, VERO cells, a continuous line of monkey kidney cells, Calf serum, lactalbumin hydrolysate, sodium chloride, neomycin sulfate, polymyxin B	

[Vaccine list](#)

[Disease list](#)

DTap IPV (Quadracel)

Ingredient	Disease
Bovine folate receptor alpha (FRA) protein	Autism , Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
<i>C. diphtheriae</i> , <i>C. tetani</i> and <i>B. pertussis</i> residual proteins	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism , Alopecia areata
modified Mueller's growth medium, ammonium sulfate, modified Mueller-Miller casamino acid medium without beef heart infusion, formaldehyde, aluminum phosphate, Stainer Scholte medium, casamino acids, dimethyl-beta-cyclodextrin, MRC-5 cells, normal human diploid cells, CMRL 1969 medium supplemented with calf serum, Medium 199 without calf serum, 2-phenoxyethanol, polysorbate 80, glutaraldehyde, neomycin, polymyxin B sulfate	

[Vaccine list](#)

[Disease list](#)

DTap HepB IPV (Pediatrix)

Ingredient	Disease
Bovine folate receptor alpha (FRA) protein	Autism , Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins, VERO cells	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
Yeast protein	Atopic dermatitis , Sudden infant death syndrome (SIDS) , Vitiligo , Narcolepsy , Systemic lupus erythematosus (SLE) , Rheumatoid arthritis , Alzheimer's , Kawasaki disease , Cardiac arrhythmia , Maternal antibody related autism , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism
<i>C. diphtheriae</i> , <i>C. tetani</i> , <i>B. pertussis</i> residual proteins and Hepatitis B surface antigen	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism , Alopecia areata
Fenton medium containing a bovine extract, modified Latham medium derived from bovine casein, formaldehyde, glutaraldehyde, modified Stainer-Scholte liquid medium, VERO cells, a continuous line of monkey kidney cells, calf serum and lactalbumin hydrolysate, aluminum hydroxide, aluminum phosphate, aluminum salts, sodium chloride, polysorbate 80 (Tween 80), neomycin sulfate, polymyxin B, yeast protein.	

[Vaccine list](#)

[Disease list](#)

DTap IPV/Hib (Pentacel)

Ingredient	Disease
Bovine folate receptor alpha (FRA) protein	Autism , Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
<i>C. diphtheriae</i> , <i>C. tetani</i> , <i>H. influenzae</i> and <i>B. pertussis</i> residual proteins	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism , Alopecia areata
aluminum phosphate, polysorbate 80, sucrose, formaldehyde, glutaraldehyde, bovine serum albumin, 2-phenoxyethanol, neomycin, polymyxin B sulfate, modified Mueller's growth medium, ammonium sulfate, modified Mueller-Miller casamino acid medium without beef heart infusion, Stainer-Scholte medium, casamino acids, dimethyl-beta-cyclodextrin. MRC-5 cells (a line of normal human diploid cells), CMRL 1969 medium supplemented	

[Vaccine list](#)

[Disease list](#)

ActHiB

Ingredient	Disease
Bovine folate receptor alpha (FRA) protein	Autism , Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
<i>H. Influenzae</i> residual proteins	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism , Alopecia areata
sodium chloride, modified Mueller and Miller medium (the culture medium contains milk derived raw materials [casein derivatives]), formaldehyde, sucrose	

[Vaccine list](#)

[Disease list](#)

Hib (Hiberix)

Ingredient	Disease
<i>H. Influenzae</i> residual proteins	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism , Alopecia areata
saline, synthetic medium, formaldehyde, sodium chloride, lactose	

[Vaccine list](#)

[Disease list](#)

Hib (PedvaxHIB)

Ingredient	Disease
<i>H. Influenzae</i> residual proteins	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism , Alopecia areata
complex fermentation media, amorphous aluminum hydroxyphosphate sulfate, sodium chloride	

[Vaccine list](#)

[Disease list](#)

Hep A (Havrix)

Ingredient	Disease
Hepatitis A proteins	Cardiac arrhythmia , Sudden infant death syndrome (SIDS)
polysorbate 20	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
MRC-5 human diploid cells, formalin, aluminum hydroxide, amino acid supplement, phosphate-buffered saline solution, neomycin sulfate, aminoglycoside antibiotic	

[Vaccine list](#)

[Disease list](#)

Hep A (Vaqta)

Ingredient	Disease
Hepatitis A proteins	Cardiac arrhythmia , Sudden infant death syndrome (SIDS)
Bovine albumin	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
MRC-5 diploid fibroblasts, amorphous aluminum hydroxyphosphate sulfate, non-viral protein, DNA, formaldehyde, neomycin, sodium borate, sodium chloride	

[Vaccine list](#)

[Disease list](#)

Hep B (Engerix-B)

Ingredient	Disease
Yeast protein	Atopic dermatitis , Sudden infant death syndrome (SIDS) , Vitiligo , Narcolepsy , Systemic lupus erythematosus (SLE) , Rheumatoid arthritis , Alzheimer's , Kawasaki disease , Cardiac arrhythmia , Maternal antibody related autism , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D)
aluminum hydroxide, sodium chloride, disodium phosphate dihydrate, sodium dihydrogen phosphate dihydrate	

[Vaccine list](#)

[Disease list](#)

Hep B (Recombivax)

Ingredient	Disease
Yeast protein	Atopic dermatitis , Sudden infant death syndrome (SIDS) , Vitiligo , Narcolepsy , Systemic lupus erythematosus (SLE) , Rheumatoid arthritis , Alzheimer's , Kawasaki disease , Cardiac arrhythmia , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism
soy peptone	Soy Allergy , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Blood brain barrier disruption
dextrose, amino acids, mineral salts, phosphate buffer, formaldehyde, potassium aluminum sulfate, amorphous aluminum hydroxyphosphate sulfate	

[Vaccine list](#)

[Disease list](#)

Hep B (Heplisav-B)

Ingredient	Disease
Yeast protein	Atopic dermatitis , Sudden infant death syndrome (SIDS) , Vitiligo , Narcolepsy , Systemic lupus erythematosus (SLE) , Rheumatoid arthritis , Alzheimer's , Kawasaki disease , Cardiac arrhythmia , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
vitamins and mineral salts, yeast DNA, deoxycholate, phosphorothioate linked oligodeoxynucleotide, phosphate buffered saline, sodium phosphate, dibasic dodecahydrate, monobasic dehydrate	

[Vaccine list](#)

[Disease list](#)

Hep A/Hep B (Twinrix)

Ingredient	Disease
Yeast protein	Atopic dermatitis , Sudden infant death syndrome (SIDS) , Vitiligo , Narcolepsy , Systemic lupus erythematosus (SLE) , Rheumatoid arthritis , Alzheimer's , Kawasaki disease , Cardiac arrhythmia , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
MRC-5 human diploid cells, formalin, aluminum phosphate, aluminum hydroxide, amino acids, sodium chloride, phosphate buffer, neomycin sulfate	

[Vaccine list](#)

[Disease list](#)

Human Papillomavirus (HPV) (Gardasil 9)

Ingredient	Disease
Yeast protein	Atopic dermatitis , Vitiligo , Narcolepsy , Systemic lupus erythematosus (SLE) , Rheumatoid arthritis , Alzheimer's , Kawasaki disease , Cardiac arrhythmia , Maternal antibody related autism , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D)
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
vitamins, amino acids, mineral salts, carbohydrates, amorphous aluminum hydroxyphosphate sulfate, sodium chloride, L-histidine, sodium borate	

[Vaccine list](#)

[Disease list](#)

Influenza (Afluria) Trivalent & Quadrivalent

Ingredient	Disease
Ovalbumin	Egg allergy
Influenza proteins	Influenza allergy and influenza shock syndrome (ISS) , Kawasaki disease , Guillain-Barré Syndrome (GBS) , Narcolepsy , Type 1 diabetes (T1D)
sodium chloride, monobasic sodium phosphate, dibasic sodium phosphate, monobasic potassium phosphate, potassium chloride, calcium chloride, sodium taurodeoxycholate, sucrose, neomycin sulfate, polymyxin B, beta-propiolactone, thimerosal (multidose vials)	

[Vaccine list](#)

[Disease list](#)

Influenza (Fluad)

Ingredient	Disease
Ovalbumin	Egg allergy
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
Influenza proteins	Influenza allergy and influenza shock syndrome (ISS) , Kawasaki disease , Guillain-Barré Syndrome (GBS) , Narcolepsy , Type 1 diabetes (T1D)
squalene, sorbitan trioleate, sodium citrate dehydrate, citric acid monohydrate, neomycin, kanamycin, barium, egg proteins, cetyltrimethylammonium bromide (CTAB), formaldehyde	

[Vaccine list](#)

[Disease list](#)

Influenza (Fluarix) Trivalent & Quadrivalent

Ingredient	Disease
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
Ovalbumin	Egg allergy
Influenza proteins	Influenza allergy and influenza shock syndrome (ISS) , Kawasaki disease , Guillain-Barré Syndrome (GBS) , Narcolepsy , Type 1 diabetes (T1D)
octoxynol-10 (TRITON X-100), α -tocopheryl hydrogen succinate, hydrocortisone, gentamicin sulfate, formaldehyde, sodium deoxycholate, sodium phosphate-buffered isotonic sodium chloride	

[Vaccine list](#)

[Disease list](#)

Influenza (Flublok) Trivalent & Quadrivalent

Ingredient	Disease
Polysorbate 20	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
Baculovirus and Spodoptera frugiperda cell proteins	Autoimmune diseases
Influenza proteins	Influenza allergy and influenza shock syndrome (ISS) , Guillain-Barré Syndrome (GBS) High risk as Flublok contains 3X viral proteins as a regular influenza vaccine. (19)
sodium chloride, monobasic sodium phosphate, dibasic sodium phosphate, baculovirus and cellular DNA, Triton X-100, lipids, vitamins, amino acids, mineral salts	

[Vaccine list](#)

[Disease list](#)

Influenza (Flucelvax) Trivalent & Quadrivalent

Ingredient	Disease
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
Madin Darby Canine Kidney (MDCK) cell protein, protein other than HA	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Influenza proteins	Influenza allergy and influenza shock syndrome (ISS) , Guillain-Barré Syndrome (GBS)
MDCK cell DNA, cetyltrimethylammonium bromide, and β -propiolactone	

[Vaccine list](#)

[Disease list](#)

Influenza (Flulaval) Trivalent & Quadrivalent

Ingredient	Disease
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
Ovalbumin	Egg allergy
Influenza proteins	Influenza allergy and influenza shock syndrome (ISS) , Kawasaki disease , Guillain-Barré Syndrome (GBS) , Narcolepsy , Type 1 diabetes (T1D)
formaldehyde, sodium deoxycholate, α -tocopheryl hydrogen succinate, thimerosal (multi-dose vials)	

[Vaccine list](#)

[Disease list](#)

Influenza (Fluvirin)

Ingredient	Disease
Ovalbumin	Egg allergy
Influenza proteins	Influenza allergy and influenza shock syndrome (ISS) , Kawasaki disease , Guillain-Barré Syndrome (GBS) , Narcolepsy , Type 1 diabetes (T1D)
polymyxin, neomycin, betapropiolactone, nonylphenol ethoxylate, thimerosal	

[Vaccine list](#)

[Disease list](#)

Influenza (Fluzone) Quadrivalent

Ingredient	Disease
Egg protein	Egg allergy
Influenza proteins	Influenza allergy and influenza shock syndrome (ISS) , Kawasaki disease , Guillain-Barré Syndrome (GBS) , Narcolepsy , Type 1 diabetes (T1D)
Formaldehyde, octylphenol ethoxylate (Triton X-100), sodium phosphate buffered isotonic sodium chloride solution, thimerosal (multi-dose vials), sucrose	

[Vaccine list](#)

[Disease list](#)

Influenza (Fluzone) High Dose

Ingredient	Disease
Egg protein	Egg allergy
Influenza proteins	Influenza allergy and influenza shock syndrome (ISS) , Kawasaki disease , Guillain-Barré Syndrome (GBS) , Narcolepsy , Type 1 diabetes (T1D)
octylphenol ethoxylate (Triton X-100), sodium phosphate-buffered isotonic sodium chloride solution, formaldehyde, sucrose	

[Vaccine list](#)

[Disease list](#)

Influenza (Fluzone) Intradermal

Ingredient	Disease
Egg protein	Egg allergy
Influenza proteins	Influenza allergy and influenza shock syndrome (ISS) , Kawasaki disease , Guillain-Barré Syndrome (GBS) , Narcolepsy , Type 1 diabetes (T1D)
formaldehyde, octylphenol ethoxylate (Triton X-100), sodium phosphatebuffered isotonic sodium chloride solution, sucrose	

[Vaccine list](#)

[Disease list](#)

Influenza (FluMist) Quadrivalent

Ingredient	Disease
monosodium glutamate, arginine, sucrose, dibasic potassium phosphate, monobasic potassium phosphate, ovalbumin, gentamicin sulfate, ethylenediaminetetraacetic acid (EDTA)	

[Vaccine list](#)

[Disease list](#)

Japanese Encephalitis (Ixiaro)

Ingredient	Disease
bovine serum albumin, host cell protein	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
aluminum hydroxide, protamine sulfate, formaldehyde, bovine serum albumin, host cell DNA, sodium metabisulphite, host cell protein	

[Vaccine list](#)

[Disease list](#)

Meningococcal (MenACWY-Menactra)

Ingredient	Disease
Bovine folate receptor alpha (FRA) protein	Autism , Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
N. meningitidis residual proteins	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Maternal antibody related autism , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D)
Watson Scherp media containing casamino acid, modified culture medium containing hydrolyzed casein, ammonium sulfate, sodium phosphate, formaldehyde, sodium chloride	

[Vaccine list](#)

[Disease list](#)

Meningococcal (MenACWY-Menveo)

Ingredient	Disease
Yeast extract	Atopic dermatitis , Sudden infant death syndrome (SIDS) , Vitiligo , Narcolepsy , Systemic lupus erythematosus (SLE) , Rheumatoid arthritis , Alzheimer's , Kawasaki disease , Cardiac arrhythmia , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism
N. meningitidis residual proteins	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Maternal antibody related autism , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D)
formaldehyde, amino acids, Franz complete medium, CY medium	

[Vaccine list](#)

[Disease list](#)

Meningococcal (MenB – Bexsero)

Ingredient	Disease
<i>E. coli</i> residual proteins	Inflammatory bowel disease
N. meningitidis residual proteins	Kawasaki disease , Cardiac arrhythmia , Maternal antibody related autism , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D)
aluminum hydroxide, histidine, sucrose, deoxycholate, kanamycin	

[Vaccine list](#)

[Disease list](#)

Meningococcal (MenB – Trumenba)

Ingredient	Disease
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
N. meningitidis residual proteins	Kawasaki disease , Cardiac arrhythmia , Maternal antibody related autism , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D)
defined fermentation growth media, aluminum phosphate, histidine buffered saline	

[Vaccine list](#)

[Disease list](#)

MMR (MMR-II)

Ingredient	Disease
Chick embryo cell culture	Type 1 diabetes (T1D) , Neuromyelitis Optica Spectrum Disorders (NMOSD) , Autism , Attention deficit hyperactivity disorder (ADHD) , Autoimmune diseases
fetal bovine serum, hydrolyzed gelatin	Gelatin allergy , Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Live virus	Encephalitis
Measles virus	Sub-acute Sclerosing Panencephalitis (SSPE)
Measles viral proteins	Kawasaki disease , Type 1 diabetes (T1D) , Maternal antibody related autism
WI-38 human diploid lung fibroblasts, vitamins, amino acids, sucrose, glutamate, recombinant human albumin, neomycin, sorbitol, sodium phosphate, sodium chloride	

[Vaccine list](#)

[Disease list](#)

MMRV (ProQuad)

Ingredient	Disease
Chick embryo cell culture	Type 1 diabetes (T1D) , Neuromyelitis Optica Spectrum Disorders (NMOSD) , Autism , Attention deficit hyperactivity disorder (ADHD) , Autoimmune diseases
Bovine calf serum, hydrolyzed gelatin	Gelatin allergy , Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Live virus	Encephalitis
Measles virus	Sub-acute Sclerosing Panencephalitis (SSPE)
Measles viral proteins	Kawasaki disease , Type 1 diabetes (T1D) , Maternal antibody related autism
WI-38 human diploid lung fibroblasts, MRC-5 cells, sucrose, sodium chloride, sorbitol, monosodium L-glutamate, sodium phosphate dibasic, human albumin, sodium bicarbonate, potassium phosphate monobasic, potassium chloride; potassium phosphate dibasic, neomycin	

[Vaccine list](#)

[Disease list](#)

Pneumococcal (PCV13 – Prevnar 13)

Ingredient	Disease
Bovine folate receptor alpha (FRA) protein	Autism , Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
soy peptone	Soy Allergy , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders .
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
Yeast protein	Atopic dermatitis , Sudden infant death syndrome (SIDS) , Vitiligo , Narcolepsy , Systemic lupus erythematosus (SLE) , Rheumatoid arthritis , Alzheimer's , Kawasaki disease , Cardiac arrhythmia , Maternal antibody related autism , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism
<i>S. pneumoniae</i> , <i>C. diphtheriae</i> residual proteins	Sudden infant death syndrome (SIDS) , Kawasaki disease , Cardiac arrhythmia , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism
soy peptone broth, casamino acids and yeast extract-based medium, CRM197 carrier protein, polysorbate 80, succinate buffer, aluminum phosphate	

[Vaccine list](#)

[Disease list](#)

Pneumococcal (PPSV-23 – Pneumovax)

Ingredient	Disease
<i>S. pneumoniae</i> residual proteins	Sudden infant death syndrome (SIDS) , Kawasaki disease , Cardiac arrhythmia , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism
phenol	

[Vaccine list](#)

[Disease list](#)

Polio (IPV – Ipol)

Ingredient	Disease
Calf bovine serum, vero cells (a continuous line of monkey kidney cells)	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Eagle MEM modified medium, calf bovine serum, M-199 without calf bovine serum, vero cells (a continuous line of monkey kidney cells), phenoxyethanol, formaldehyde, neomycin, streptomycin, polymyxin B	

[Vaccine list](#)

[Disease list](#)

Rabies (Imovax)

Ingredient	Disease
human albumin, neomycin sulfate, phenol red indicator, MRC-5 human diploid cells, betapropriolactone	

[Vaccine list](#)

[Disease list](#)

Rabies (RabAvert)

Ingredient	Disease
Chicken fibroblasts	Type 1 diabetes (T1D) , Neuromyelitis Optica Spectrum Disorders (NMOSD)
Bovine serum, gelatin	Gelatin allergy , Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Ovalbumin	Egg allergy
chicken fibroblasts, β -propiolactone, polygeline (processed bovine gelatin), human serum albumin, bovine serum, potassium glutamate, sodium EDTA, ovalbumin, neomycin, chlortetracycline, amphotericin B	

[Vaccine list](#)

[Disease list](#)

Rotavirus (RotaTeq)

Ingredient	Disease
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.]	Type 1 diabetes (T1D)

[Vaccine list](#)

[Disease list](#)

Rotavirus (Rotarix)

Ingredient	Disease
Vero cells, dextran, Dulbecco's Modified Eagle Medium (sodium chloride, potassium chloride, magnesium sulfate, ferric (III) nitrate, sodium phosphate, sodium pyruvate, Dglucose, concentrated vitamin solution, L-cystine, L-tyrosine, amino acids solution, Lglutamine, calcium chloride, sodium hydrogenocarbonate, and phenol red), sorbitol, sucrose, calcium carbonate, sterile water, xanthan [Porcine circovirus type 1 (PCV-1) is present in Rotarix. PCV-1 is not known to cause disease in humans.]	Type 1 diabetes (T1D)

[Vaccine list](#)

[Disease list](#)

Smallpox (Vaccinia) (ACAM2000)

Ingredient	Disease
African Green Monkey kidney (Vero) cells	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
African Green Monkey kidney (Vero) cells, HEPES, 2% human serum albumin, 0.7% sodium chloride USP, 5% Mannitol USP, neomycin, polymyxin B, 50% Glycerin USP, 0.25% phenol USP	

[Vaccine list](#)

[Disease list](#)

Td (Tenivac)

Ingredient	Disease
Bovine folate receptor alpha (FRA) Protein	Maternal folate receptor alpha antibody related, Autism, Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins	Autoimmune diseases, Vitiligo, Autism, Attention deficit hyperactivity disorder (ADHD), Crohn's disease, Type 1 diabetes (T1D)
<i>C. diphtheriae</i> and <i>C. tetani</i> residual proteins	Kawasaki disease, Cardiac arrhythmia, Inflammatory bowel disease (IBD), Hypothyroidism, Atherosclerosis related coronary artery disease, Cerebral infarction, Diabetes mellitus, Obesity, Crohn's disease, Type 1 diabetes (T1D), Maternal antibody related autism
aluminum phosphate, formaldehyde, modified Mueller-Miller casamino acid medium without beef heart infusion, ammonium sulfate, sodium chloride, water	

[Vaccine list](#)

[Disease list](#)

Td (Mass Biologics)

Ingredient	Disease
Bovine folate receptor alpha (FRA) Protein	Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
<i>C. diphtheriae</i> and <i>C. tetani</i> residual proteins	Kawasaki disease , Cardiac arrhythmia , Sudden infant death syndrome (SIDS) , Maternal antibody related autism , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism
aluminum phosphate, formaldehyde, thimerosal, modified Mueller's media which contains bovine extracts, ammonium sulfate	

[Vaccine list](#)

[Disease list](#)

Tdap (Adacel)

Ingredient	Disease
Bovine folate receptor alpha (FRA) Protein	Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
<i>C. diphtheriae</i> , <i>C. tetani</i> and <i>B. pertussis</i> residual proteins	Kawasaki disease , Cardiac arrhythmia , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism
aluminum phosphate, formaldehyde, 2-phenoxyethanol, Stainer-Scholte medium, casamino acids, dimethyl-beta-cyclodextrin, glutaraldehyde, modified Mueller-Miller casamino acid medium without beef heart infusion, ammonium sulfate, modified Mueller's growth medium	

[Vaccine list](#)

[Disease list](#)

Tdap (Boostrix)

Ingredient	Disease
Bovine folate receptor alpha (FRA) Protein	Maternal folate receptor alpha antibody related autism , Cerebral Folate Deficiency Syndrome
Bovine casein	Milk Allergy
Bovine insulin	Type 1 diabetes (T1D)
Bovine proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Autism , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
<i>C. diphtheriae</i> , <i>C. tetani</i> and <i>B. pertussis</i> residual proteins	Kawasaki disease , Cardiac arrhythmia , Maternal antibody related autism , Inflammatory bowel disease (IBD) , Hypothyroidism , Atherosclerosis related coronary artery disease , Cerebral infarction , Diabetes mellitus , Obesity , Crohn's disease , Type 1 diabetes (T1D) , Maternal antibody related autism
modified Latham medium derived from bovine casein, Fenton medium containing a bovine extract, formaldehyde, modified Stainer-Scholte liquid medium, glutaraldehyde, aluminum hydroxide, sodium chloride, polysorbate 80	

[Vaccine list](#)

[Disease list](#)

Typhoid (Typhim Vi)

Ingredient	Disease
decyltrimethylammonium bromide, formaldehyde, phenol, polydimethylsiloxane, disodium phosphate, monosodium phosphate, semi-synthetic medium, sodium chloride	

[Vaccine list](#)

[Disease list](#)

Typhoid (Vivotif Ty21a)

Ingredient	Disease
yeast extract, casein, dextrose, galactose, sucrose, ascorbic acid, amino acids, lactose, magnesium stearate, gelatin	

[Vaccine list](#)

[Disease list](#)

Varicella (Varivax)

Ingredient	Disease
Fetal bovine serum, hydrolyzed gelatin	Gelatin allergy , Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
MRC-5 human diploid cells, including DNA & protein, sucrose, hydrolyzed gelatin, sodium chloride, monosodium L-glutamate, sodium phosphate dibasic, sodium phosphate monobasic, potassium phosphate monobasic, potassium chloride, EDTA, neomycin, fetal bovine serum	

[Vaccine list](#)

[Disease list](#)

Yellow Fever (YF-Vax)

Ingredient	Disease
Gelatin	Gelatin allergy , Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Egg protein	Egg allergy
Yellow fever virus	Yellow fever vaccine-associated viscerotropic disease
sorbitol, gelatin, sodium chloride, egg protein	

[Vaccine list](#)

[Disease list](#)

Zoster (Shingles) (Zostavax)

Ingredient	Disease
hydrolyzed porcine gelatin, bovine calf serum	Gelatin allergy , Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)
Egg protein	Egg allergy
MRC-5 human diploid cells, including DNA & protein, sucrose, hydrolyzed porcine gelatin, sodium chloride, monosodium L-glutamate, sodium phosphate dibasic, potassium phosphate monobasic, potassium chloride; neomycin, bovine calf serum	

[Vaccine list](#)

[Disease list](#)

Zoster (Shingles) (Shingrix)

Ingredient	Disease
Polysorbate 80	Wheat allergy , Corn allergy , Blood brain barrier disruption , Epilepsy , Neuropsychiatric disorders , Neurodegenerative disorders , Type 1 diabetes (T1D) , Alzheimer's , Maternal Glutamate receptor antibody related autism .
Chinese Hamster Ovary (CHO) cell proteins	Autoimmune diseases , Vitiligo , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D) , Supraventricular tachyarrhythmia , Supraventricular tachycardia
sucrose, sodium chloride, dioleoyl phosphatidylcholine (DOPC), potassium dihydrogen phosphate, cholesterol, sodium dihydrogen phosphate dihydrate, disodium phosphate anhydrous, dipotassium phosphate, polysorbate 80, <i>Salmonella minnesota</i> and <i>Quillaja saponaria</i> Molina, AS01 _B	

[Vaccine list](#)

[Disease list](#)

Biologics

Ingredient	Disease
Chinese Hamster Ovary (CHO) cell proteins	Autoimmune diseases , Vitiligo , Autism , Attention deficit hyperactivity disorder (ADHD) , Crohn's disease , Type 1 diabetes (T1D)

[Vaccine list](#)

[Disease list](#)

Attention Deficit Hyperactivity Disorder (ADHD)

Chick and animal protein containing vaccines can cause GAD65 antibody related ADHD. (1,2,20,21) Polysorbate 80 containing vaccines can cause the development of NMDA antibody related ADHD. (22,23)

[Adenovirus](#), [DT \(Sanofi\)](#), [DTap \(Daptacel\)](#), [DTap \(Infanrix\)](#), [DTap IPV \(Kinrix\)](#), [DTap IPV \(Quadracel\)](#), [DTap HepB IPV \(Pedarix\)](#), [DTap IPV/Hib \(Pentacel\)](#), [Hep A \(Havrix\)](#), [Hep A \(Vaqta\)](#), [Hep B \(Heplisav-B\)](#), [Hep A/Hep B \(Twinrix\)](#), [Human Papillomavirus \(HPV\) \(Gardasil 9\)](#), [Influenza \(Fluad\)](#), [Influenza \(Fluarix\) Trivalent & Quadrivalent](#), [Influenza \(Flublok\) Trivalent & Quadrivalent](#), [Influenza \(Flucelvax\) Trivalent & Quadrivalent](#), [Influenza \(Flulaval\) Trivalent & Quadrivalent](#), [Japanese Encephalitis \(Ixiaro\)](#), [Meningococcal \(MenACWY-Menactra\)](#), [Meningococcal \(MenB – Trumenba\)](#), [MMR \(MMR-II\)](#), [MMRV \(ProQuad\)](#), [Pneumococcal \(PCV13 – Prevnar 13\)](#), [Polio \(IPV – Ipol\)](#), [Rabies \(RabAvert\)](#), [Smallpox \(Vaccinia\) \(ACAM2000\)](#), [Td \(Tenivac\)](#), [Td \(Mass Biologics\)](#), [Tdap \(Adacel\)](#), [Tdap \(Boostrix\)](#), [Varicella \(Varivax\)](#), [Yellow Fever \(YF-Vax\)](#), [Zoster \(Shingles\) \(Zostavax\)](#), [Zoster \(Shingles\) \(Shingrix\)](#), [Biologics](#)

[Vaccine list](#)

[Disease list](#)

Alopecia areata

H. influenzae, *S. pneumoniae*, *C. diphtheriae*, *B. pertussis*, *N. meningitidis* and *S. cerevisiae* residual protein containing vaccines can cause Alopecia areata due to molecular mimicry to self-antigens. (24)

[DT \(Sanofi\)](#), [DTap \(Daptacel\)](#), [DTap \(Infanrix\)](#), [DTap IPV \(Kinrix\)](#), [DTap IPV \(Quadracel\)](#), [DTap HepB IPV \(Pedarix\)](#), [DTap IPV/Hib \(Pentacel\)](#), [ActHiB](#), [Hib \(Hiberix\)](#), [Hib \(PedvaxHIB\)](#), [Hep B \(Engerix-B\)](#), [Hep B \(Recombivax\)](#), [Hep B \(Heplisav-B\)](#), [Hep A/Hep B \(Twinrix\)](#), [Human Papillomavirus \(HPV\) \(Gardasil 9\)](#), [Meningococcal \(MenACWY-Menactra\)](#), [Meningococcal \(MenACWY-Menveo\)](#), [Meningococcal \(MenB – Bexsero\)](#), [Meningococcal \(MenB – Trumenba\)](#), [Pneumococcal \(PCV13 – Prevnar 13\)](#), [Pneumococcal \(PPSV-23 – Pneumovax\)](#), [Td \(Tenivac\)](#), [Td \(Mass Biologics\)](#), [Tdap \(Adacel\)](#), [Tdap \(Boostrix\)](#)

[Vaccine list](#)

[Disease list](#)

Alzheimer's

Polysorbate 80 (plant protein derived) containing vaccines can cause glutamate receptor antibody related Alzheimer's. (22) Yeast protein containing vaccines can cause prion related Alzheimer's. (25,26)

DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pediatrix](#)), DTap IPV/Hib ([Pentacel](#)), Hep A ([Havrix](#)), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Meningococcal (MenACWY-[Menveo](#)), Meningococcal (MenB – [Trumenba](#)), Pneumococcal (PCV13 – [Pevnar 13](#)), Polio (IPV – [Ipol](#)), Tdap ([Boostrix](#)), Zoster (Shingles) ([Shingrix](#))

[Vaccine list](#)

[Disease list](#)

Asthma/Rhinitis/seasonal allergies/Pet allergies and Food allergies

All vaccines cause the development of asthma, seasonal allergies, pet allergies (27–29) due to contamination with aeroallergens. All vaccines contain numerous antigens and cause anaphylaxis (15) because of IgE mediated sensitization directed against the same antigen by a previous vaccine. The specific case of food antigens in vaccines results in the development of food allergy (28,30–32).

[Vaccine list](#)

[Disease list](#)

Atherosclerosis related coronary artery disease

Autoimmunity induced by the following proteins in vaccines. (33,34)

H. influenzae, *S. pneumoniae*, *C. diphtheriae*, *B. pertussis*, *N. meningitidis*, *S. cerevisiae*, *C. tetani*, Hepatitis B surface antigen and Influenza A proteins.

DT ([Sanofi](#)), DTap ([Daptacel](#)), DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pediatrix](#)), DTap IPV/Hib ([Pentacel](#)), [Pevnar 13](#), [ActHiB](#), Hib ([Hiberix](#)), Hib ([PedvaxHIB](#)), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Afluria](#)) Trivalent & Quadrivalent, Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Influenza ([Fluvirin](#)), Influenza ([Fluzone](#)) Quadrivalent, Influenza ([Fluzone](#)) High Dose

Influenza ([Fluzone](#)) Intradermal, Meningococcal (MenACWY-[Menactra](#)), Meningococcal (MenACWY-[Menveo](#)), Meningococcal (MenB – [Bexsero](#)), Meningococcal (MenB – [Trumenba](#)), Pneumococcal (PCV13 – [Pevnar 13](#)), Pneumococcal (PPSV-23 – [Pneumovax](#)), Td ([Tenivac](#)), Td ([Mass Biologics](#)), Tdap ([Adacel](#)), Tdap ([Boostrix](#))

[Vaccine list](#)

[Disease list](#)

Atopic dermatitis

Atopic dermatitis can be caused by yeast proteins (*S. cerevisiae*) in vaccines. (35)

DTap HepB IPV ([Pedarix](#)), [Pevnar 13](#), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Meningococcal (MenACWY-[Menveo](#)), Pneumococcal (PCV13 – [Pevnar 13](#))

[Vaccine list](#)

[Disease list](#)

Autism

Cow's milk protein (bovine casein, casamino acids) containing vaccines can cause folate receptor alpha antibody mediated autism. (36) Polysorbate 80 derived from plant proteins can cause glutamate receptor antibody mediated autism. (22) Chick and animal protein containing vaccines can cause GAD65 antibody related autism. (1,2,20,21)

[Adenovirus](#), DT ([Sanofi](#)), DTap ([Daptacel](#)), DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pedarix](#)), DTap IPV/Hib ([Pentacel](#)), [ActHiB](#), Hep A ([Havrix](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), MMR (MMR-II), MMRV (ProQuad), Td ([Tenivac](#)), Td ([Mass Biologics](#)), Tdap ([Adacel](#)), Tdap ([Boostrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Japanese Encephalitis ([Ixiaro](#)), Meningococcal (MenACWY-[Menactra](#)), Meningococcal (MenB – [Trumenba](#)), [MMR](#) (MMR-II), [MMRV](#) (ProQuad), Pneumococcal (PCV13 – [Pevnar 13](#)), Polio (IPV – [Ipol](#)), Rabies ([RabAvert](#)), Zoster (Shingles) ([Shingrix](#)), Biologics

[Vaccine list](#)

[Disease list](#)

Autoimmune diseases

Animal, fungal, viral, bacterial and food proteins can have molecular mimicry to human proteins.

Immunization with such alien proteins causes autoimmunity. (1–4,13,21,22,33,36–47)

[Adenovirus](#), [DT \(Sanofi\)](#), DTap ([Daptacel](#)), DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pedarix](#)), DTap IPV/Hib ([Pentacel](#)), [ActHiB](#), Hib ([Hiberix](#)), Hib ([PedvaxHIB](#)), Hep A ([Havrix](#)), Hep A ([Vaqta](#)), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Afluria](#)) Trivalent & Quadrivalent, Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Influenza ([Fluvirin](#)), Influenza ([Fluzone](#)) Quadrivalent, Influenza ([Fluzone](#)) High Dose, Influenza ([Fluzone](#)) Intradermal, Japanese Encephalitis ([Ixiaro](#)), Meningococcal (MenACWY-[Menactra](#)), Meningococcal (MenACWY-[Menveo](#)), Meningococcal (MenB – [Bexsero](#)), Meningococcal (MenB – [Trumenba](#)), [MMR](#) (MMR-II), [MMRV](#) (ProQuad), Pneumococcal (PCV13 – [Pevnar 13](#)), Pneumococcal (PPSV-23 – [Pneumovax](#)), Polio (IPV – [Ipol](#)), Rabies ([RabAvert](#)), [Smallpox](#) (Vaccinia) (ACAM2000), Td ([Tenivac](#)), Td ([Mass Biologics](#)), Tdap ([Adacel](#)), Tdap ([Boostrix](#)), Varicella ([Varivax](#)), [Yellow Fever](#) (YF-Vax), Zoster (Shingles) ([Zostavax](#)), Zoster (Shingles) ([Shingrix](#)), Biologics

[Vaccine list](#)

[Disease list](#)

Blood brain barrier (BBB) disruption

Polysorbate 80 (48) and glutamate receptor antibodies (22) can cause BBB disruption.

DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pedarix](#)), DTap IPV/Hib ([Pentacel](#)), Hep A ([Havrix](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Meningococcal (MenB – [Trumenba](#)), Pneumococcal (PCV13 – [Pevnar 13](#)), Tdap ([Boostrix](#)), Zoster (Shingles) ([Shingrix](#))

[Vaccine list](#)

[Disease list](#)

Cardiac arrhythmia

H. influenzae, *S. pneumoniae*, *C. diphtheriae*, *B. pertussis*, *C. tetani*, *N. meningitidis*, *S. cerevisiae*, Hepatitis B surface antigen, Influenza A, Hepatitis A and rubella protein containing vaccines can cause cardiac arrhythmia. (49)

[DT \(Sanofi\)](#), DTap ([Daptacel](#)), DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pedarix](#)), DTap IPV/Hib ([Pentacel](#)), [ActHiB](#), Hib ([Hiberix](#)), Hib ([PedvaxHIB](#)), Hep A ([Havrix](#)), Hep A ([Vaqta](#)), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Afluria](#)) Trivalent & Quadrivalent,

Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Influenza ([Fluvirin](#)), Influenza ([Fluzone](#)) Quadrivalent, Influenza ([Fluzone](#)) High Dose Influenza ([Fluzone](#)) Intradermal, Meningococcal (MenACWY-[Menactra](#)), Meningococcal (MenACWY-[Menveo](#)), Meningococcal (MenB – [Bexsero](#)), Meningococcal (MenB – [Trumenba](#)), [MMR](#) (MMR-II), [MMRV](#) (ProQuad), Pneumococcal (PCV13 – [Pevnar](#) 13), Pneumococcal (PPSV-23 – [Pneumovax](#)), Td ([Tenivac](#)), Td ([Mass Biologics](#)), Tdap ([Adacel](#)), Tdap ([Boostrix](#))

[Vaccine list](#)

[Disease list](#)

Cerebral folate deficiency syndrome

See vaccines listed under [autism](#).

Cerebral infarction

Autoimmunity induced by the following proteins in vaccines. (33,34) *H. influenzae*, *S. pneumoniae*, *C. diphtheriae*, *B. pertussis*, *N. meningitidis*, *S. cerevisiae*, *C. tetani*, Hepatitis B surface antigen and Influenza A proteins.

[DT \(Sanofi\)](#), DTap ([Daptacel](#)), DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pediatrix](#)), DTap IPV/Hib ([Pentacel](#)), [ActHiB](#), Hib ([Hiberix](#)), Hib ([PedvaxHIB](#)), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Afluria](#)) Trivalent & Quadrivalent, Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Influenza ([Fluvirin](#)), Influenza ([Fluzone](#)) Quadrivalent, Influenza ([Fluzone](#)) High Dose, Influenza ([Fluzone](#)) Intradermal, Meningococcal (MenACWY-[Menactra](#)), Meningococcal (MenACWY-[Menveo](#)), Meningococcal (MenB – [Bexsero](#)), Meningococcal (MenB – [Trumenba](#)), Pneumococcal (PCV13 – [Pevnar](#) 13), Pneumococcal (PPSV-23 – [Pneumovax](#)), Td ([Tenivac](#)), Td ([Mass Biologics](#)), Tdap ([Adacel](#)), Tdap ([Boostrix](#)), Zoster (Shingles) ([Shingrix](#))

[Vaccine list](#)

[Disease list](#)

Corn allergy

Excipients such as polysorbate 80 derived from corn can be the cause of corn allergy.
(22,28,30,31,50,51)

DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pediatrix](#)), DTap IPV/Hib ([Pentacel](#)), Hep A ([Havrix](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil](#) 9), Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Meningococcal (MenB – [Trumenba](#)), Pneumococcal (PCV13 – [Prennar](#) 13), Tdap ([Boostrix](#)), Zoster (Shingles) ([Shingrix](#))

[Vaccine list](#)

[Disease list](#)

Crohn's disease

H. influenzae, *S. pneumoniae*, *C. diphtheriae*, *B. pertussis*, *C. tetani*, *N. meningitidis*, *S. cerevisiae*, bovine, porcine, guinea pig and chick protein containing vaccines can cause Crohn's disease. (1)

[Adenovirus](#), DT ([Sanofi](#)), DTap ([Daptacel](#)), DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pediatrix](#)), DTap IPV/Hib ([Pentacel](#)), [ActHiB](#), Hib ([Hiberix](#)), Hib ([PevaxHIB](#)), Hep A ([Vaqta](#)), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil](#) 9), Meningococcal (MenACWY-[Menactra](#)), Meningococcal (MenACWY-[Menveo](#)), Meningococcal (MenB – [Bexsero](#)), Meningococcal (MenB – [Trumenba](#)), [MMR](#) (MMR-II), [MMRV](#) (ProQuad), Pneumococcal (PCV13 – [Prennar](#) 13), Pneumococcal (PPSV-23 – [Pneumovax](#)), Polio (IPV – [Ipol](#)), Rabies ([RabAvert](#)), Td ([Tenvirac](#)), Td ([Mass Biologics](#)), Tdap ([Adacel](#)), Tdap ([Boostrix](#)), Varicella ([Varivax](#)), [Yellow Fever](#) (YF-Vax), Zoster (Shingles) ([Zostavax](#)), Zoster (Shingles) ([Shingrix](#)), Biologics

[Vaccine list](#)

[Disease list](#)

Diabetes mellitus

Yeast protein containing vaccines. (2)

Also see vaccines listed under [Cerebral infarction](#)

Egg allergy

Egg protein containing vaccines (28,30,31,50,51)

Influenza ([Afluria](#)) Trivalent & Quadrivalent, Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Influenza ([Fluvirin](#)), Influenza ([Fluzone](#)) Quadrivalent, Influenza ([Fluzone](#)) High Dose, Influenza ([Fluzone](#)) Intradermal, [MMR](#) (MMR-II), [MMRV](#) (ProQuad), Rabies ([RabAvert](#)), [Yellow Fever](#) (YF-Vax), Zoster (Shingles) (Zostavax)

[Vaccine list](#)

[Disease list](#)

Encephalitis

Injury listed in US National Vaccine Injury Compensation Program's Vaccine Injury Table, for the MMR vaccine. (14)

[MMR](#) (MMR-II), [MMRV](#) (ProQuad)

[Vaccine list](#)

[Disease list](#)

Epilepsy

Plant proteins such as those derived from wheat, soy, peanut, sesame used in the manufacture of excipients such as polysorbate 80, can cause glutamate receptor autoimmunity related epilepsy. (22)

DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pediatrix](#)), DTap IPV/Hib ([Pentacel](#)), Hep A ([Havrix](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Meningococcal (MenB – [Trumenba](#)), Pneumococcal (PCV13 – [Pevnar 13](#)), Tdap ([Boostrix](#)), Zoster (Shingles) ([Shingrix](#))

[Vaccine list](#)

[Disease list](#)

Gelatin allergy

Gelatin containing vaccines (28,30,31,50–54)

[MMR](#) (MMR-II), [MMRV](#) (ProQuad), Rabies ([RabAvert](#)), Varicella ([Varivax](#)), [Yellow Fever](#) (YF-Vax), Zoster (Shingles) ([Zostavax](#))

[Vaccine list](#)

[Disease list](#)

Guillain-Barre syndrome (GBS)

Influenza vaccines cause the development of GBS. (14)

Influenza ([Afluria](#)) Trivalent & Quadrivalent, Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Influenza ([Fluvirin](#)), Influenza ([Fluzone](#)) Quadrivalent, Influenza ([Fluzone](#)) High Dose, Influenza ([Fluzone](#)) Intradermal

[Vaccine list](#)

[Disease list](#)

Hypothyroidism

H. influenzae, *S. pneumoniae*, *C. diphtheriae*, *B. pertussis*, *C. tetani*, *N. meningitidis*, *S. cerevisiae*, *S. Typhi* and Influenza A containing vaccines can cause hypothyroidism. (40,44)

[DT \(Sanofi\)](#), [DTap \(Daptacel\)](#), [DTap \(Infanrix\)](#), [DTap IPV \(Kinrix\)](#), [DTap IPV \(Quadracel\)](#), [DTap HepB IPV \(Pediatrix\)](#), [DTap IPV/Hib \(Pentacel\)](#), [ActHiB](#), [Hib \(Hiberix\)](#), [Hib \(PevaxHIB\)](#), [Hep B \(Engerix-B\)](#), [Hep B \(Recombivax\)](#), [Hep B \(Heplisav-B\)](#), [Hep A/Hep B \(Twinrix\)](#), [Human Papillomavirus \(HPV\) \(Gardasil 9\)](#), [Influenza \(Afluria\)](#) Trivalent & Quadrivalent, [Influenza \(Fluad\)](#), [Influenza \(Fluarix\)](#) Trivalent & Quadrivalent, [Influenza \(Flublok\)](#) Trivalent & Quadrivalent, [Influenza \(Flucelvax\)](#) Trivalent & Quadrivalent, [Influenza \(Flulaval\)](#) Trivalent & Quadrivalent, [Influenza \(Fluvirin\)](#), [Influenza \(Fluzone\)](#) Quadrivalent, [Influenza \(Fluzone\)](#) High Dose, [Influenza \(Fluzone\)](#) Intradermal, [Meningococcal \(MenACWY-Menactra\)](#), [Meningococcal \(MenACWY-Menveo\)](#), [Meningococcal \(MenB – Bexsero\)](#), [Meningococcal \(MenB – Trumenba\)](#), [MMR \(MMR-II\)](#), [MMRV \(ProQuad\)](#), [Pneumococcal \(PCV13 – Prevnar 13\)](#), [Pneumococcal \(PPSV-23 – Pneumovax\)](#), [Td \(Tenivac\)](#), [Td \(Mass Biologics\)](#), [Tdap \(Adacel\)](#), [Tdap \(Boostrix\)](#)

[Vaccine list](#)

[Disease list](#)

Inflammatory bowel disease (IBD)

H. influenzae, *S. pneumoniae*, *C. diphtheriae*, *B. pertussis*, *C. tetani*, *N. meningitidis* and *S. cerevisiae* containing vaccines have residual catalase, an autoantigen in IBD. (4)

E. coli protein containing vaccines can cause IBD. May be residual proteins from manufacturing process (55) or contaminant. (27)

[DT \(Sanofi\)](#), DTap ([Daptacel](#)), DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pediatrix](#)), DTap IPV/Hib ([Pentacel](#)), [ActHiB](#), Hib ([Hiberix](#)), Hib ([PedvaxHIB](#)), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Meningococcal (MenACWY-[Menactra](#)), Meningococcal (MenACWY-[Menveo](#)), Meningococcal (MenB – [Bexsero](#)), Meningococcal (MenB – [Trumenba](#)), Pneumococcal (PCV13 – [Pneumovax 13](#)), Pneumococcal (PPSV-23 – [Pneumovax](#)), Td ([Tenivac](#)), Td ([Mass Biologics](#)), Tdap ([Adacel](#)), Tdap ([Boostrix](#)).

In addition, see vaccines listed under [Crohn's Disease](#)

[Vaccine list](#)

[Disease list](#)

Influenza allergy and influenza shock syndrome (ISS)

IgE mediated sensitization to influenza viral proteins in the influenza vaccine can cause influenza shock syndrome (ISS) upon subsequent influenza infections. (56)

Influenza ([Afluria](#)) Trivalent & Quadrivalent, Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Influenza ([Fluvirin](#)), Influenza ([Fluzone](#)) Quadrivalent, Influenza ([Fluzone](#)) High Dose, Influenza ([Fluzone](#)) Intradermal

[Vaccine list](#)

[Disease list](#)

Kawasaki disease

H. influenzae, *S. pneumoniae*, *C. diphtheriae*, *B. pertussis*, *C. tetani*, *N. meningitidis*, *S. cerevisiae* and measles protein containing vaccines(42,57) have residual proteins with molecular mimicry to human HSP63 which is an autoantigen in Kawasaki disease. Influenza vaccines can cause Kawasaki disease. (47)

[DT \(Sanofi\)](#), DTap ([Daptacel](#)), DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pediatrix](#)), DTap IPV/Hib ([Pentacel](#)), [ActHiB](#), Hib ([Hiberix](#)), Hib ([PedvaxHIB](#)), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Afluria](#)) Trivalent & Quadrivalent, Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Influenza ([Fluvirin](#)), Influenza ([Fluzone](#)) Quadrivalent, Influenza ([Fluzone](#)) High Dose, Influenza ([Fluzone](#)) Intradermal, Meningococcal (MenACWY-[Menactra](#)), Meningococcal (MenACWY-[Menveo](#)), Meningococcal (MenB – [Bexsero](#)), Meningococcal (MenB – [Trumenba](#)), MMR (MMR-II), MMRV

(ProQuad), Pneumococcal (PCV13 – Prevnar 13), Pneumococcal (PPSV-23 – Pneumovax), Td (Tenivac), Td (Mass Biologics), Tdap (Adacel), Tdap (Boostrix).

[Vaccine list](#)

[Disease list](#)

Maternal antibody related autism

H. influenzae, *S. pneumoniae*, *C. diphtheriae*, *B. pertussis*, *C. tetani*, *N. meningitidis*, *S. cerevisiae*, Hepatitis B and measles protein containing vaccines have residual proteins with molecular mimicry to autoantigens involved in maternal antibody related autism. (36,38,58,59)

In addition, milk protein containing vaccines can cause [Maternal folate receptor alpha antibody related autism](#). And plant protein containing vaccines can cause [Maternal glutamate receptor antibody related autism](#).

[DT \(Sanofi\)](#), [DTap \(Daptacel\)](#), [DTap \(Infanrix\)](#), [DTap IPV \(Kinrix\)](#), [DTap IPV \(Quadracel\)](#), [DTap HepB IPV \(Pediatrix\)](#), [DTap IPV/Hib \(Pentacel\)](#), [ActHiB](#), [Hib \(Hiberix\)](#), [Hib \(PedvaxHIB\)](#), [Hep B \(Engerix-B\)](#), [Hep B \(Recombivax\)](#), [Hep B \(Heplisav-B\)](#), [Hep A/Hep B \(Twinrix\)](#), [Human Papillomavirus \(HPV\) \(Gardasil 9\)](#), [Meningococcal \(MenACWY-Menactra\)](#), [Meningococcal \(MenACWY-Menveo\)](#), [Meningococcal \(MenB – Bexsero\)](#), [Meningococcal \(MenB – Trumenba\)](#), [MMR \(MMR-II\)](#), [MMRV \(ProQuad\)](#), [Pneumococcal \(PCV13 – Prevnar 13\)](#), [Pneumococcal \(PPSV-23 – Pneumovax\)](#), [Td \(Tenivac\)](#), [Td \(Mass Biologics\)](#), [Tdap \(Adacel\)](#), [Tdap \(Boostrix\)](#)

[Vaccine list](#)

[Disease list](#)

Maternal folate receptor alpha antibody related autism

Caused by the following milk protein containing vaccines.

[DT \(Sanofi\)](#), [DTap \(Daptacel\)](#), [DTap \(Infanrix\)](#), [DTap IPV \(Kinrix\)](#), [DTap IPV \(Quadracel\)](#), [DTap HepB IPV \(Pediatrix\)](#), [DTap IPV/Hib \(Pentacel\)](#), [ActHiB](#), [Td \(Tenivac\)](#), [Td \(Mass Biologics\)](#), [Tdap \(Adacel\)](#), [Tdap \(Boostrix\)](#), [Meningococcal \(MenACWY-Menactra\)](#), [Pneumococcal \(PCV13 – Prevnar 13\)](#)

[Vaccine list](#)

[Disease list](#)

Maternal glutamate receptor antibody related autism

See vaccines listed under [Epilepsy](#)

Milk Allergy

Cow's milk protein containing vaccines cause the development of milk allergy. (30,31,50,51)

See vaccines listed under [Maternal folate receptor alpha antibody related autism](#)

[Vaccine list](#)

[Disease list](#)

Narcolepsy

Influenza virus (60) and yeast protein containing vaccines. (44)

DTap HepB IPV ([Pediatrix](#)), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Afluria](#)) Trivalent & Quadrivalent, Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Influenza ([Fluvirin](#)), Influenza ([Fluzone](#)) Quadrivalent, Influenza ([Fluzone](#)) High Dose, Influenza ([Fluzone](#)) Intradermal, Meningococcal (MenACWY-[Menveo](#)), Pneumococcal (PCV13 – [Prevnar 13](#)),

Also see vaccines listed under [Atopic dermatitis](#)

[Vaccine list](#)

[Disease list](#)

Neurodegenerative disorders

See vaccines listed under [Epilepsy](#)

Neuromyelitis Optica Spectrum Disorders (NMOSD)

Chick protein containing vaccines. (1,2,37)

[MMR](#) (MMR-II), [MMRV](#) (ProQuad), Rabies ([RabAvert](#))

[Vaccine list](#)

Disease list

Neuropsychiatric disorders

See vaccines listed under [Epilepsy](#)

[Vaccine list](#)

[Disease list](#)

Obesity

See vaccines listed under [Cerebral Infarction](#)

[Vaccine list](#)

[Disease list](#)

Rheumatoid arthritis

See vaccines listed under [Atopic dermatitis](#)

[Vaccine list](#)

[Disease list](#)

Soy allergy

Polysorbate 80 and soy containing vaccines. (22,28,30,31,51)

DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pediatrix](#)), DTap IPV/Hib ([Pentacel](#)), Hep A ([Havrix](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Meningococcal (MenB – [Trumenba](#)), Pneumococcal (PCV13 – [Prevnar 13](#)), Tdap ([Boostrix](#)), Zoster (Shingles) ([Shingrix](#))

[Vaccine list](#)

[Disease list](#)

Sub-acute Sclerosing Panencephalitis (SSPE)

The measles live virus vaccine can cause SSPE. (61)

[MMR](#) (MMR-II), [MMRV](#) (ProQuad)

[Vaccine list](#)

[Disease list](#)

Sudden infant death syndrome (SIDS)

H. influenzae, *S. pneumoniae*, *C. diphtheriae*, *B. pertussis*, *C. tetani*, *N. meningitidis*, *S. cerevisiae* and Hepatitis B surface antigen containing vaccines can cause SIDS. (42,62)

[DT \(Sanofi\)](#), DTap ([Daptacel](#)), DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pediatrix](#)), DTap IPV/Hib ([Pentacel](#)), [ActHiB](#), Hib ([Hiberix](#)), Hib ([PedvaxHIB](#)), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Meningococcal (MenACWY-Menactra), Meningococcal (MenACWY-Menveo), Pneumococcal (PCV13 – Prevnar 13), Pneumococcal (PPSV-23 – Pneumovax)

[Vaccine list](#)

[Disease list](#)

Supraventricular tachyarrhythmia

Supraventricular tachyarrhythmia is a serious adverse event observed during clinical trials of the Shingrix vaccine. (39)

Zoster (Shingles) ([Shingrix](#))

[Vaccine list](#)

[Disease list](#)

Supraventricular tachycardia

Supraventricular tachycardia is a serious adverse event observed during clinical trials of the Shingrix vaccine. (39)

Zoster (Shingles) ([Shingrix](#))

[Vaccine list](#)

[Disease list](#)

Systemic lupus erythematosus (SLE)

Yeast protein containing vaccines can cause SLE. (35,44)

See vaccines listed under [Atopic dermatitis](#)

[Vaccine list](#)

[Disease list](#)

Type 1 diabetes (T1D)

Type 1 diabetes can be caused by bovine insulin in cow's milk protein containing vaccines. (50) T1D can also be caused by animal proteins, (1,2,13,21) Polysorbate 80 (22), *H. influenzae*, *S. pneumoniae*,

C. diphtheriae, *B. pertussis*, *C. tetani*, *N. meningitidis*, *S. cerevisiae*, Hepatitis B surface antigen, Influenza A and measles protein containing vaccines. (2) Rotavirus vaccines may also induce T1D. (63)

[Adenovirus](#), [DT \(Sanofi\)](#), DTap ([Daptacel](#)), DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pediatrix](#)), DTap IPV/Hib ([Pentacel](#)), [ActHiB](#), Hib ([Hiberix](#)), Hib ([PedvaxHIB](#)), Hep A ([Havrix](#)), Hep A ([Vaqta](#)), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Afluria](#)) Trivalent & Quadrivalent, Influenza ([Fluad](#)), Influenza ([Fluarix](#)) Trivalent & Quadrivalent, Influenza ([Flublok](#)) Trivalent & Quadrivalent, Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Influenza ([Flulaval](#)) Trivalent & Quadrivalent, Influenza ([Fluvirin](#)), Influenza ([Fluzone](#)) Quadrivalent, Influenza ([Fluzone](#)) High Dose, Influenza ([Fluzone](#)) Intradermal, Japanese Encephalitis ([Ixiaro](#)), Meningococcal (MenACWY-[Menactra](#)), Meningococcal (MenACWY-[Menveo](#)), Meningococcal (MenB – [Bexsero](#)), Meningococcal (MenB – [Trumenba](#)), [MMR](#) (MMR-II), [MMRV](#) (ProQuad), Pneumococcal (PCV13 – [Prevnar 13](#)), Pneumococcal (PPSV-23 – [Pneumovax](#)), Polio (IPV – [Ipol](#)), Rabies ([RabAvert](#)), Rotavirus ([RotaTeq](#)), Rotavirus ([Rotarix](#)) [Smallpox](#) (Vaccinia) (ACAM2000), Td ([Tenivac](#)), Td ([Mass Biologics](#)), Tdap ([Adacel](#)), Tdap ([Boostrix](#)), Varicella ([Varivax](#)), [Yellow Fever](#) (YF-Vax), Zoster (Shingles) ([Zostavax](#)), Zoster (Shingles) ([Shingrix](#)), Biologics

[Vaccine list](#)

[Disease list](#)

Vitiligo

Animal or yeast protein containing vaccines. (1,2)

[Adenovirus](#), [DT \(Sanofi\)](#), DTap ([Daptacel](#)), DTap ([Infanrix](#)), DTap IPV ([Kinrix](#)), DTap IPV ([Quadracel](#)), DTap HepB IPV ([Pediatrix](#)), DTap IPV/Hib ([Pentacel](#)), [Prevnar 13](#), [ActHiB](#), Hep A ([Vaqta](#)), Hep B ([Engerix-B](#)), Hep B ([Recombivax](#)), Hep B ([Heplisav-B](#)), Hep A/Hep B ([Twinrix](#)), Human Papillomavirus (HPV) ([Gardasil 9](#)), Influenza ([Flucelvax](#)) Trivalent & Quadrivalent, Japanese Encephalitis ([Ixiaro](#)), Meningococcal (MenACWY-[Menactra](#)), Meningococcal (MenACWY-[Menveo](#)), [MMR](#) (MMR-II), [MMRV](#) (ProQuad), Pneumococcal (PCV13 – [Prevnar 13](#)), Polio (IPV – [Ipol](#)), Rabies ([RabAvert](#)), [Smallpox](#) (Vaccinia) (ACAM2000), Td ([Tenivac](#)), Td ([Mass Biologics](#)), Tdap ([Adacel](#)), Tdap ([Boostrix](#)), Varicella ([Varivax](#)), [Yellow Fever](#) (YF-Vax), Zoster (Shingles) ([Zostavax](#)), Zoster (Shingles) ([Shingrix](#)), Biologics

[Vaccine list](#)

[Disease list](#)

Wheat allergy

Polysorbate 80 containing vaccines can contain wheat proteins as polysorbate 80 is derived from plant proteins including wheat. (22,30,31,51)

See [Epilepsy](#)

[Vaccine list](#)

[Disease list](#)

Yellow fever vaccine-associated viscerotropic disease

Yellow fever vaccine can cause viscerotropic disease. (64)

[Yellow Fever](#) (YF-Vax)

[Vaccine list](#)

[Disease list](#)

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