

Excipients per 0.5 mL

Albumin, Human	MMR II (Merck)	MMR	0.3 mg
	Attenuvax (Merck)	Measles	0.3 mg
	Mumpsvox (Merck)	Mumps	0.3 mg
	Meruvax II (Merck)	Rubella	0.3 mg
	ProQuad (Merck)	MMR+Varicella	0.31 mg
	RabAvert (Chiron)	Rabies	<0.3 mg
Albumin, Egg	Fluarix (GSK)	Influenza	≤1 mcg
Albumin, Bovine	Havrix (GSK)	Hep A	<1 mg/mL (<0.5 mg)
	Vaqta (Merck)	Hep A	
Amino Acids	Comvax (Merck)	Hib-HepB	in media
	Twinrix (SKB)	Hep AB	
	Vivotif Berna (Berna)	Typhoid	1.4-7 mg
Ammonium Sulfate	ActHIB (sp)	Hib	
	OmniHIB (sp)	Hib	
Ascorbic acid	Vivotif Berna (Berna)	Typhoid	1-5 mg
Bovine products	Boostrix (GSK)	Tdap	used in media
	DT (sp)	DT	used in <i>C. tetani</i> medium
	ProQuad (Merck)	MMR+Varicella	0.5 mcg
	Varivax (Merck)	Varicella	residual
	Zostavax (Merck)	Varicella Zoster	trace amounts bovine calf serum
Disodium Phosphate	Typhim Vi (sp)	Typhoid	0.13 mg/mL
DNA	ProQuad (Merck)	MMR+Varicella	residual
	Vaqta (Merck)	Hep A	<4x10 ⁻⁶ mcg
	Varivax (Merck)	Varicella	residual
	Zostavax (Merck)	Varicella Zoster	residual
Formaldehyde	ADACEL (ap)	Tdap	≤5 mcg (0.005 mg)
	Boostrix (GSK)	Tdap	≤100 mcg (0.1 mg)
	Comvax	Hib-HepB	≤0.0004%
	DAPTACEL (sp)	DTaP	≤100 mcg (0.1 mg)
	DT (sp)	DT	≤0.02%
	Fluarix (GSK)	Influenza	≤50 mcg
	FluLaval (GSK)	Influenza	≤25 mcg
	Fluzone (sp)	Influenza	≤0.02%
	Infanrix (GSK)	DTaP	≤100 mcg (0.1 mg)
	JE-Vax (sp)	Japanese Encephalitis	<100 mcg (0.1 mg)
	Pediarix (GSK)	DTaP-HepB-IPV	≤100 mcg (0.1 mg)
	Td (sp)	Td	≤0.02%
	TriHIBit (sp)	DTaP-Hib	≤100 mcg (0.1 mg)
	Tripedia (sp)	DTaP	≤100 mcg (0.1 mg)
	Vaqta (Merck)	Hep A	<0.8 mcg (0.008 mg)
	Formaline	Havrix (GSK)	HepA
Twinrix (GSK)		Hep AB	≤0.1% mg/mL
Gelatin	Attenuvax (Merck)	Measles	14.5 mg (hydrolyzed)

	Boostrix (GSK)	Tdap	≤100 mcg (0.1 mg)
	Fluzone	Influenza	0.05%
	JE-Vax (sp)	Japanese Encephalitis	500 mcg
	Meruvax II (Merck)	Rubella	14.5 mg
	MMR II (Merck)	MMR	14.5 mg
	Mumpsvox (Merck)	Mumps	14.5 mg
	ProQuad (Merck)	MMR+Varicella	11 mg
	TriHIBit (sp)	DTaP-Hib	
	Tripedia (sp)	DTaP	
	Varivax (Merck)	Varicella	12.5 mg
	YF Vax (sp)	Yellow Fever	as stabilizer
Gentamicin sulfate	Flumist (Medimmune)	Influenza	<0.015 mcg/mL
	Fluarix (GSK)	Influenza	≤0.15 mcg
Glutaraldehyde	ADACEL (ap)	Tdap	<50 ng
	DAPTACEL (sp)	DTaP	<50 ng
	Infanrix (GSK)	DTaP	trace
	Pediarix (GSK)	DTaP-HepB-IPV	trace
Glycerin	Dryvax (Wyeth)	Smallpox	50% of diluent
Glycol p-isooctylphenyl ether	Fluzone (sp)	Influenza	
Lactose	MENOMUNE-A/C/Y/W-135 (sp)	Mening	2.5-5.0 mg
	Vivotif Berna (Berna)	Typhoid	100-180 mg
Magnesium Stearate	Vivotif Berna (Berna)	Typhoid	3.6-4.4 mg
Monosodium Glutamate	Flumist (Medimmune)	Influenza	0.47 mg/dose (0.235 mg/0.5 mL)
	ProQuad (Merck)	MMR+Varicella	0.4 mg
	Varivax (Merck)	Varicella	0.5 mg
	Zostavax (Merck)	Varicella Zoster	0.62 mg
Monosodium phosphate	Typhim Vi (sp)	Typhoid	0.046 mg/mL
M Phosphate-buffered Saline	Fluvirin (Chiron)	Influenza	
	FluLaval (GSK)	Influenza	
Neomycin Sulfate	Pediarix (GSK)	DTaP-HepB-IPV	≤0.05 ng
	Twinrix (GSK)	Hep AB	≤ 20 ng/mL
Neomycin	Attenuvax (Merck)	Measles	25 mcg (0.025 mg)
	Meruvax II (Merck)	Rubella	25 mcg (0.025 mg)
	MMR II (Merck)	MMR	25 mcg (0.025 mg)
	Mumpsvox (Merck)	Mumps	25 mcg (0.025 mg)
	ProQuad (Merck)	MMR+Varicella	<16 mcg (<0.016 mg)
	Varivax (Merck)	Varicella	trace amounts
	Zostavax (Merck)	Varicella Zoster	trace amounts
Phenol Red indicator	Imovax Rabies (sp)	Rabies	20 mg
Polymyxin B	Pediarix (GSK)	DTaP-HepB-IPV	≤0.01 ng
2-phenoxyethanol	ADACEL (ap)	Tdap	3.3 mg (not used as a preservative)
Polydimethylsiloxane-based antifoam agents	Typhim Vi (sp)	Typhoid	residual
Polygeline	RabAvert (Chiron)	Rabies	12 mg
Polysorbate 20	Havrix (SKB)	HepA	0.3%

	Twinrix (SKB)	Hep AB	
Polysorbate 80	Fluarix (GSK)	Influenza	≤4.15 mg
	Infanrix (GSK)	DTaP	≤100 mcg (0.1 mg)
	Pediarix (GSK)	DTaP-HepB-IPV	
	RotaTeq (Merck)	Rotavirus	
	TriHIBit (sp)	DTaP-Hib	
	Tripedia (sp)	DTaP	
Potassium	Fluzone (sp)	Influenza	
Potassium chloride	Varivax (Merck)	Varicella	0.08 mg
	Zostavax (Merck)	Varicella Zoster	0.10 mg
Potassium glutamate	RabAvert (Chiron)	Rabies	1 mg
Potassium phosphate	Flumist (Medimmune)	Influenza	used in buffer
	ProQuad (Merck)	MMR+Varicella	72 mcg (0.072 mg) (monobasic)
	Varivax (Merck)	Varicella	0.08 mg (monobasic)
	Zostavax (Merck)	Varicella Zoster	0.10 mg (monobasic)
Protein	Havrix (GSK)	Hep A	≤5 mcg (MCR-5 Cellular)
	ProQuad (Merck)	MMR+Varicella	residual
	Twinrix (GSK)	Hep AB	≤2.5 mcg/mL
	Vaqta (Merck)	Hep A	<0.1 mcg (Nonviral)
	Zostavax (Merck)	Varicella Zoster	residual amounts
Serum, Bovine Fetal	Attenuvax (Merck)	Measles	<1 ppm
	IPOL (sp)	Polio	trace amounts
	Meruvax II (Merck)	Rubella	<1 ppm
	MMR II (Merck)	MMR	<1 ppm
	Mumpsvox (Merck)	Mumps	<1 ppm
	ProQuad (Merck)	MMR+Varicella	0.5 mcg
	RotaTeq (Merck)	Rotavirus	trace amounts
Sodium Borate (Decahydrate)	Comvax (Merck)	Hib-HepB	35 mcg (0.035 mg)
Sodium Chloride	Attenuvax (Merck)	Measles	
	Comvax (Merck)	Hib-HepB	0.9%
	Fluarix (GSK)	Influenza	
	Infanrix (GSK)	DTaP	4.5 mg/mL (2.25 mg)
	Meruvax II (Merck)	Rubella	
	MMR II (Merck)	MMR	
	Mumpsvox (Merck)	Mumps	
	Pediarix (GSK)	DTaP-HepB-IPV	4.5 mg
	ProQuad (Merck)	MMR+Varicella	2.4 mg
	Typhim Vi (sp)	Typhoid	8.3 mg/mL
	Varivax (Merck)	Varicella	3.2 mg
	YF-Vax (sp)	Yellow Fever	0.6 mL in diluent
	Zostavax (Merck)	Varicella Zoster	3.99 mg
	Sodium Deoxycholate	FluLaval (GSK)	Influenza
Sodium Dihydrogen phosphate	Engerix-B (GSK)	Hep B	0.71 mg/mL
Sodium EDTA	RabAvert (Chiron)	Rabies	0.3 mg
Sodium Hydroxide	RotaTeq (Merck)	Rotavirus	

Sodium Phosphate	Attenuvax (Merck)	Measles	
	Engerix-B (GSK)	Hep B	0.98 mg/mL (Disodium phosphate)
	Menactra (sp)	Mening	
	Meruvax II (Merck)	Rubella	
	MMR II (Merck)	MMR	
	Mumpsvox (Merck)	Mumps	
Sodium Phosphate Dibasic	Varivax (Merck)	Varicella	0.45 mg
	ProQuad (Merck)	MMR+Varicella	0.34 mg
	Zostavax (Merck)	Varicella Zoster	0.57 mg
Sodium Phosphate Monobasic Monohydrate Sucrose	RotaTeq (Merck)	Rotavirus	
	ActHIB (sp)	Hib	8.5%
	Attenuvax (Merck)	Measles	1.9 mg
	Fluarix	Influenza	
	Flumist (Medimmune)	Influenza	used in buffer
	Fluzone (sp)	Influenza	
	Meruvax II (Merck)	Rubella	1.9 mg
	MMR II (Merck)	MMR	1.9 mg
	Mumpsvox (Merck)	Mumps	1.9 mg
	OmniHIB	Hib	8.5%
	ProQuad (Merck)	MMR+Varicella	≤ 21 mg
	RotaTeq (Merck)	Rotavirus	
	Varivax (Merck)	Varicella	25 mg
	Vivotif Bernal (Berna)	Typhoid	26-130 mg
	Zostavax (Merck)	Varicella Zoster	31.16 mg
	Sorbitol	Attenuvax (Merck)	Measles
Meruvax II (Merck)		Rubella	14.5 mg
MMR II (Merck)		MMR	14.5 mg
Mumpsvox (Merck)		Mumps	14.5 mg
ProQuad (Merck)		MMR+Varicella	1.8 mg
YF Vax (sp)		Yellow Fever	as stabilizer
Thimerosal	Fluarix	Influenza	<12.5 mcg mercury
	FluLaval (GSK)	Influenza	25 mcg
	JE-Vax (sp)	Japanese Encephalitis	0.007%
	Pediarix (GSK)	DTaP-HepB-IPV	<12.5 ng mercury
Triton N101	Fluvirin (Chiron)	Influenza	
Yeast	Comvax (Merck)	HepB-Hib	≤1%
	Pediarix (GSK)	DTaP-HepB-IPV	≤5%
	Twinrix (SKB)	Hep AB	≤5%
None	HibTITER (WL)	Hib	
	PedvaxHIB	Hib	
	Pneumovax 23 (Merck)	Pneumo	
	Prevnar (WL)	Pneumo	
	Recombivax HB (Merck)	Hep B	

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