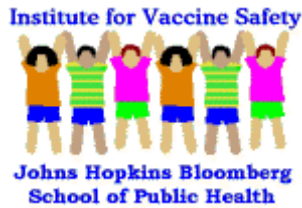


COMPILATION OF THIMERSORAL TABLES

Institute for Vaccine Safety`



www.vaccinesafety.edu

Tables Included

May	2017
June	2015
October	2011
September	2010
February	
October	2009
July	2007
October	2006
September	2005
February	
October	2004
April	
June	2003
December	2002
February	
June	2000

THIMERSORAL TABLE

(Updated 5/2/17)

Institute for Vaccine Safety

www.vaccinesafety.edu

Vaccine	Brand Name		Manufacturer	Thimerosal Concentration	Mercurymcg/0.5 mL
Influenza 2016/7 Formula	Afluria	multi-dose	CSL Limited for Merck	0.01%	24.5
	Afluria Quadrivalent	multi-dose	CSL Limited for Merck	0.01%	24.5
	Agriflu	multi-dose	Novartis	0.01%	25
	FluLaval Quadrivalent	multi-dose	GlaxoSmithKline	.01%	25
	Fluvirin	prefilled syringe	Novartis	*	*
		multi-dose		0.01%	25
	Fluzone Quadrivalent	multi-dose	sanofi pasteur	0.01%	25
Japanese Encephalitis	JE-Vax		sanofi pasteur	0.007%	
Meningococcal	Menomune-A/C/Y/W-135	multi-dose	sanofi pasteur	0.01%	24.5
Td	Tetanus and Diphtheria Toxoids Adsorbed		Mass Bio Labs	*	*

* This product should be considered equivalent to thimerosal-free products. This vaccine may contain trace amounts (<0.3 mcg) of mercury left after postproduction thimerosal removal; these amounts have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).

THIMEROSAL TABLE

(updated 7/30/15)

Institute for Vaccine Safety

www.vaccinesafety.edu

Vaccine	Brand Name	Manufacturer	Thimerosal Concentration	Mercury Mcg/0.5 mL	
Anthrax	BioThrax	BioPort Corp	0	0	
DTaP	Daptacel	sanofi pasteur	0	0	
	Infanrix	GlaxoSmithKline	0	0	
DTaP+HepB+IPV	Pediarix	GlaxoSmithKline	0	0	
DTaP+IPV	Kinrix	GlaxoSmithKline	0	0	
	Quadracel	sanofi pasteur	0	0	
DTaP+IPV+Hib	Pentacel	sanofi pasteur	0	0	
DT	Diphtheria & Tetanus Toxoids Adsorbed USP	sanofi pasteur	*	*	
Td	Tenivac	sanofi pasteur	0	0	
	Tetanus and Diphtheria Toxoids Adsorbed	Mass Bio Labs	*	*	
Tdap	Adacel	sanofi pasteur	0	0	
	Boostrix	GlaxoSmithKline	0	0	
Tetanus Toxoid	Generic	sanofi pasteur	.01%	25	
Hib	ActHib	sanofi pasteur	0	0	
	Hiberix	GlaxoSmithKline	0	0	
	PedvaxHIB	Merck	0	0	
Hib+HepB	Comvax	Merck	0	0	
Hepatitis A	Havrix	GlaxoSmithKline	0	0	
	Vaqta	Merck	0	0	
Hepatitis B	Engerix-B	GlaxoSmithKline	0	0	
	Recombivax HB	Merck	0	0	
Hep A+B	Twinrix	GlaxoSmithKline	0	0	
HPV	Cervarix	GlaxoSmithKline	0	0	
	Gardasil	Merck	0	0	
	Gardasil 9	Merck	0	0	
Influenza 2014/5 Formula	Afluria	single dose	CSL Limited for	0	0
		multi-dose	Merck	0.01%	24.5
	Agriflu	single dose	Novartis	0	0
		multi-dose		25	
	Fluarix		GlaxoSmithKline	0	0
	Fluarix Quadrivalent	prefilled syringe multi-dose	GlaxoSmithKline	0	0
	Flublok		Protein Sci Corp	0	0
	Flucelvax		Novartis	0	0
	FluLaval		GlaxoSmithKline	0	0
	FluLaval Quadrivalent	single dose	GlaxoSmithKline	0	0
		multi-dose		.01%	25
	FluMist Quadrivalent		MedImmune	0	0
	Fluvirin	prefilled syringe multi-dose	Novartis	*	*
		0.01%		25	
Fluzone	single dose	sanofi pasteur	0	0	
	multi-dose		25		

	Fluzone High-Dose		sanofi pasteur	0	0
	Fluzone Intradermal		sanofi pasteur	0	0
	Fluzone ID Quad		sanofi pasteur	0	0
	Fluzone Quadrivalent		sanofi pasteur	0	0
Japanese Encephalitis	Ixiaro	commercial military	Intercell Bio	0	0
	JE-Vax		sanofi pasteur	0.007%	
Meningococcal	Bexsero		Novartis	0	0
	Menactra		sanofi pasteur	0	0
	Menomune-A/C/Y/W-135	single dose multi-dose	sanofi pasteur	0 0.01%	0 24.5
	Menveo		Novartis	0	0
	Trumenba		Wyeth	0	0
MMR	M-M-R II		Merck	0	0
MMR+Varicella	ProQuad		Merck	0	0
Pneumococcal	Pneumovax 23		Merck	0	0
	Prennar		Wyeth-Ayerst	0	0
	Prennar 13		Wyeth-Ayers	0	0
Polio	IPOL		sanofi pasteur	0	0
Rabies	Imovax		sanofi pasteur	0	0
	RabAvert		Chiron	0	0
Rotavirus	Rotarix		GlaxoSmithKline	0	0
	RotaTeq		Merck	0	0
Typhoid Fever	Typhim Vi		sanofi pasteur	0	0
	Vivotif		Berna Biotch	0	0
Varicella Zoster	Varivax		Merck	0	0
	Zostavax		Merck	0	0
Yellow Fever	YF-VAX		sanofi pasteur	0	0

* This product should be considered equivalent to thimerosal-free products. This vaccine may contain trace amounts (<0.3 mcg) of mercury left after postproduction thimerosal removal; these amounts have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).

THIMEROSAL TABLE

(updated 10/11/11)

October 2011

Institute for Vaccine Safety

www.vaccinesafety.edu

Vaccine	Brand Name	Manufacturer	Thimerosal Concentration ¹	Mercury mcg/0.5 ml	
Anthrax	BioThrax	BioPort Corp	0	0	
DTaP	Tripedia	sanofi pasteur	*	*	
	Infanrix	GlaxoSmithKline	0	0	
	DAPTACEL	sanofi pasteur	0	0	
DTaP-HepB-IPV	Pediarix	GlaxoSmithKline	0	0	
DTaP-IPV-Hib	Pentacel	sanofi pasteur	0	0	
DTaP-Hib	TriHIBit	sanofi pasteur	*	*	
DTwP	All Products		.01%	25	
DT	Diphtheria & Tetanus Toxoids Adsorbed USP	multi-dose	.01%	25	
		single dose	*	*	
Td	DECAVAC	sanofi pasteur	*	*	
	Tetanus and Diphtheria Toxoids Adsorbed	sanofi pasteur	*	*	
Tdap	ADACEL	sanofi pasteur	0	0	
	Boostrix	GlaxoSmithKline	0	0	
Tetanus Toxoid	Tetanus Toxoid Adsorbed USP	sanofi pasteur	.01%	25	
	Tetanus Toxoid Adsorbed Adult Use		.01%	25	
	Booster		.01%	25	
Hib	ActHIB	sanofi pasteur	0	0	
	Hiberix	GlaxoSmithKline	0	0	
	HibTITER	Wyeth-Ayerst	0	0	
	PedvaxHIB (2)	Merck	0	0	
Hib/HepB	Comvax (3)	Merck	0	0	
Hepatitis A	Havrix	GlaxoSmithKline	0	0	
	Vaqa adult/pediatric	Merck	0	0	
Hepatitis B	Engerix-B preservative free	GlaxoSmithKline	0	0	
	Recombivax HB preservative free	Merck	0	0	
Hep A-B	Twinrix	GlaxoSmithKline	0	0	
HPV	Cervarix	GlaxoSmithKline	0	0	
	Gardasil	Merck	0	0	
Influenza 2011/12	Afluria	multi-dose	.01%	24.5	
		single dose	0	0	
	Agriflu	Novartis	0	0	
	Fluarix	GlaxoSmithKline	0	0	
	FluLaval	GlaxoSmithKline	.01%	25	
	FluMist	MedImmune	0	0	
	Fluvirin	multi-dose	Novartis	.01%	25
		prefilled syringe		≤1	
Fluzone	multi-dose	sanofi pasteur	.01%	25	
	all single dose		0	0	

- continued -

Vaccine	Brand Name	Manufacturer	Thimerosal Concentration ¹	Mercury mcg/0.5 ml
IPV	IPOL	sanofi pasteur	0	0
Japanese Encephalitis	Ixiaro commercial military	Intercell Bio	0	0
	JE-Vax	sanofi pasteur	0.007%	
Meningococcal	Menactra	sanofi pasteur	0	0
	MENOMUNE-A/C/Y/W-135	multi-dose	.01%	25
		single dose	sanofi pasteur	0
	Menveo	Novartis	0	0
MMR	M-M-R II	Merck	0	0
MMR-Varicella	ProQuad	Merck	0	0
Polio	IPOL	sanofi pasteur	0	0
Pneumococcal	Prevnar	Wyeth-Ayerst	0	0
	Pneumovax 23	Merck	0	0
Rabies	RabAvert	Chiron	0	0
	IMOVAX	sanofi pasteur	0	0
Rotavirus	RotaTeq	Merck	0	0
Typhoid Fever	Typhim Vi	sanofi pasteur	0	0
	Vivotif	Berna Biotch	0	0
Varicella Zoster	Varivax	Merck	0	0
	Zostavax	Merck	0	0
Yellow Fever	YF-VAX	sanofi pasteur	0	0

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 mcg of Hg per 0.5 mL.

* This product should be considered equivalent to thimerosal-free products. This vaccine may contain trace amounts (<0.3 mcg) of mercury left after post-production thimerosal removal; these amounts have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).

THIMEROSAL TABLE

(updated 9/28/10)

Institute for Vaccine Safety

www.vaccinesafety.edu

Vaccine	Brand Name	Manufacturer	Thimerosal Concentration ¹	Mercury mcg/0.5 ml
Anthrax	BioThrax	BioPort Corp	0	0
DTaP	Tripedia	sanofi pasteur	*	*
	Infanrix	GlaxoSmithKline	0	0
	DAPTACEL	sanofi pasteur	0	0
DTaP-HepB-IPV	Pediarix	GlaxoSmithKline	0	0
DTaP-IPV-Hib	Pentacel	sanofi pasteur	0	0
DTaP-Hib	TriHIBit	sanofi pasteur	*	*
DTwP	All Products		.01%	25
DT	Diphtheria & Tetanus Toxoids Adsorbed USP	sanofi pasteur	multi-dose	.01%
			single dose	*
Td	DECAVAC	sanofi pasteur	*	*
	Tetanus and Diphtheria Toxoids Adsorbed	sanofi pasteur	*	*
Tdap	ADACEL	sanofi pasteur	0	0
	Boostrix	GlaxoSmithKline	0	0
Tetanus Toxoid	Tetanus Toxoid Adsorbed USP	sanofi pasteur	.01%	25
	Tetanus Toxoid Adsorbed Adult Use		.01%	25
	Booster		.01%	25
Hib	ActHIB	sanofi pasteur	0	0
	Hiberix	GlaxoSmithKline	0	0
	HibTITER	Wyeth-Ayerst	0	0
	PedvaxHIB (2)	Merck	0	0
Hib/HepB	Comvax (3)	Merck	0	0
Hepatitis A	Havrix	GlaxoSmithKline	0	0
	Vaqa adult/pediatric	Merck	0	0
Hepatitis B	Engerix-B preservative free	GlaxoSmithKline	0	0
	Recombivax HB preservative free	Merck	0	0
Hep A-B	Twinrix	GlaxoSmithKline	0	0
HPV	Cervarix	GlaxoSmithKline	0	0
	Gardasil	Merck	0	0
Influenza 2010/11 Formula	Afluria	CSL Limited	multi-dose	.01%
			single dose	0
	Agriflu	Novartis	0	0
	Fluarix	GlaxoSmithKline	0	0
	FluLaval	GlaxoSmithKline	.01%	25
	FluMist	MedImmune	0	0
	Fluvirin	Novartis	multi-dose	.01%
			prefilled syringe	*
Fluzone	sanofi pasteur	5 mL vial	.01%	
		No Preservative	0	

- continued -

Vaccine	Brand Name	Manufacturer	Thimerosal Concentration ¹	Mercury mcg/0.5 ml
IPV	IPOL	sanofi pasteur	0	0
Japanese Encephalitis	Ixiaro commercial military	Intercell Bio	0	0
	JE-Vax	sanofi pasteur	0.007%	
Meningococcal	Menactra	sanofi pasteur	0	0
	MENOMUNE-A/C/Y/W-135	multi-dose	.01%	25
		single dose	sanofi pasteur	0
	Menveo	Novartis	0	0
MMR	M-M-R II	Merck	0	0
MMR-Varicella	ProQuad	Merck	0	0
Polio	IPOL	sanofi pasteur	0	0
Pneumococcal	Prevnar	Wyeth-Ayerst	0	0
	Pneumovax 23	Merck	0	0
Rabies	RabAvert	Chiron	0	0
	IMOVAX	sanofi pasteur	0	0
Rotavirus	RotaTeq	Merck	0	0
Typhoid Fever	Typhim Vi	sanofi pasteur	0	0
	Vivotif	Berna Biotch	0	0
Varicella Zoster	Varivax	Merck	0	0
	Zostavax	Merck	0	0
Yellow Fever	YF-VAX	sanofi pasteur	0	0

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 mcg of Hg per 0.5 mL.

* This product should be considered equivalent to thimerosal-free products. This vaccine may contain trace amounts (<0.3 mcg) of mercury left after post-production thimerosal removal; these amounts have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).



THIMEROSAL TABLE

(updated 2/23/10)

Institute for Vaccine Safety

www.vaccinesafety.edu

Vaccine	Brand Name	Manufacturer	Thimerosal Concentration ¹	Mercury mcg/0.5 ml
Anthrax	BioThrax	BioPort Corp	0	0
DTaP	Tripedia	sanofi pasteur	*	*
	Infanrix	GlaxoSmithKline	0	0
	DAPTACEL	sanofi pasteur	0	0
DTaP-HepB-IPV	Pediarix	GlaxoSmithKline	0	0
DTaP-IPV-Hib	Pentacel	sanofi pasteur	0	0
DTaP-Hib	TriHIBit	sanofi pasteur	*	*
DTwP	All Products		.01%	25
DT	Diphtheria & Tetanus Toxoids Adsorbed USP	sanofi pasteur	multi-dose	.01%
			single dose	*
Td	DECAVAC	sanofi pasteur	*	*
	Tetanus and Diphtheria Toxoids Adsorbed	sanofi pasteur	*	*
Tdap	ADACEL	sanofi pasteur	0	0
	Boostrix	GlaxoSmithKline	0	0
Tetanus Toxoid	Tetanus Toxoid Adsorbed USP	sanofi pasteur	.01%	25
	Tetanus Toxoid Adsorbed Adult Use		.01%	25
	Booster		.01%	25
Hib	ActHIB	sanofi pasteur	0	0
	Hiberix	GlaxoSmithKline	0	0
	HibTITER	Wyeth-Ayerst	0	0
	PedvaxHIB liquid (2)	Merck	0	0
Hib/HepB	Comvax (3)	Merck	0	0
Hepatitis A	Havrix	GlaxoSmithKline	0	0
	Vaqta adult/pediatric	Merck	0	0
Hepatitis B	Engerix-B preservative free	GlaxoSmithKline	0	0
	Recombivax HB preservative free	Merck	0	0
Hep A-B	Twinrix	GlaxoSmithKline	0	0
HPV	Cervarix	GlaxoSmithKline	0	0
	Gardasil	Merck	0	0
Influenza 2009/10 Formula	Afluria	CSL Limited	multi-dose	.01%
			single dose	0
	Agriflu	Novartis	0	0
	Fluarix	GlaxoSmithKline		≤1
	FluLaval	GlaxoSmithKline	.01%	25
	FluMist	MedImmune	0	0
	Fluvirin	Novartis	.01%	24.5
5 mL vial			.01%	
Fluzone	sanofi pasteur	No Preservative	0	

Vaccine	Brand Name	Manufacturer	Thimerosal Concentration ¹	Mercury mcg/0.5 ml	
Influenza A H1N1 2009	Influenza A (H1N1) 2009 Monovalent Vaccine	multi-dose	.01%	24.5	
		single dose	0	0	
	Influenza A (H1N1) 2009 Monovalent Vaccine	multi-dose	Novartis	.01%	24.5
		single dose		≤1	
	Influenza A (H1N1) 2009 Monovalent Vaccine	multi-dose	sanofi pasteur	.01%	25
	single dose	0		0	
	Influenza A (H1N1) 2009 Monovalent Vaccine	GlaxoSmith Kline	.01%	25	
	Influenza A (H1N1) 2009 Monovalent Vaccine Live, Intranasal	MedImmune	0	0	
IPV Japanese Encephalitis	IPOL	sanofi pasteur	0	0	
	Ixiaro commercial military	Intercell Bio	0	0	
	JE-Vax	sanofi pasteur	0.007%		
Meningococcal	Menactra	sanofi pasteur	0	0	
	MENOMUNE-A/C/Y/W-135	multi-dose	.01%	25	
		single dose	sanofi pasteur	0	0
	Menveo	Novartis	0	0	
MMR	M-M-R II	Merck	0	0	
MMR-Varicella	ProQuad	Merck	0	0	
Polio	IPOL	sanofi pasteur	0	0	
Pneumococcal	Prennar	Wyeth-Ayerst	0	0	
	Pneumovax 23	Merck	0	0	
Rabies	RabAvert	Chiron	0	0	
	IMOVAX	sanofi pasteur	0	0	
Rotavirus	RotaTeq	Merck	0	0	
Typhoid Fever	Typhim Vi	sanofi pasteur	0	0	
	Vivotif	Berna Biotch	0	0	
Varicella Zoster	Varivax	Merck	0	0	
	Zostavax	Merck	0	0	
Yellow Fever	YF-VAX	sanofi pasteur	0	0	

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 mcg of Hg per 0.5 mL.

(2). A previously marketed lyophilized preparation contained 0.005% thimerosal.

(3). COMVAX is not approved for use under 6 weeks of age because of decreased response to the Hib component

* This product should be considered equivalent to thimerosal-free products. This vaccine may contain trace amounts (<0.3 mcg) of mercury left after post-production thimerosal removal; these amounts have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).

Institute for Vaccine Safety



Johns Hopkins Bloomberg School of Public Health

www.vaccinesafety.edu

THIMEROSAL TABLE
(updated 10/19/09)

Institute for Vaccine Safety

www.vaccinesafety.edu

Vaccine	Brand Name		Manufacturer	Thimerosal Concentration ¹	Mercury mcg/0.5 ml
Anthrax	BioThrax		BioPort Corporation	0	0
DTaP	Tripedia		sanofi pasteur	*	*
	Infanrix		GlaxoSmithKline	0	0
	DAPTACEL		sanofi pasteur	0	0
DTaP-HepB-IPV	Pediarix		GlaxoSmithKline	0	0
DTaP-IPV-Hib	Pentacel		sanofi pasteur	0	0
DTaP-Hib	TriHIBit		sanofi pasteur	*	*
DTwP	All Products			.01%	25
DT	Diphtheria & Tetanus Toxoids Adsorbed USP	multi-dose	sanofi pasteur	.01%	25
		single dose		*	*
Td	DECAVAC		sanofi pasteur	*	*
	Tetanus and Diphtheria Toxoids Adsorbed		sanofi pasteur	*	*
Tdap	ADACEL		sanofi pasteur	0	0
	Boostrix		GlaxoSmithKline	0	0
Tetanus Toxoid	Tetanus Toxoid Adsorbed USP		sanofi pasteur	.01%	25
	Tetanus Toxoid Adsorbed Adult Use			.01%	25
	Booster			.01%	25
Hib	ActHIB		sanofi pasteur	0	0
	HibTITER		Wyeth-Ayerst	0	0
	PedvaxHIB liquid(2)		Merck	0	0
Hib/HepB	Comvax (3)		Merck	0	0
Hepatitis A	Havrix		GlaxoSmithKline	0	0
	Vaqta adult/pediatric		Merck	0	0
Hepatitis B	Engerix-B preservative free		GlaxoSmithKline	0	0
	Recombivax HB preservative free		Merck	0	0
Hep A-B	Twinrix		GlaxoSmithKline	0	0
HPV	Cervarix		GlaxoSmithKline	0	0
	Gardasil		Merck	0	0
Influenza 2009/10 Formula	Afluria	multi-dose	CSL Limited	.01%	24.5
		single dose		0	0
	Fluarix		GlaxoSmithKline		≤1
	FluLaval		GlaxoSmithKline	.01%	25
	FluMist		MedImmune	0	0
	Fluvirin		Novartis	.01%	24.5
	Fluzone	5 mL vial	sanofi pasteur	.01%	25
No Preservative		0		0	

Vaccine	Brand Name	Manufacturer	Thimerosal Concentration ¹	Mercury mcg/0.5 ml	
Influenza A H1N1 2009	Influenza A (H1N1) 2009 Monovalent Vaccine	multi-dose	.01%	24.5	
		single dose	0	0	
	Influenza A (H1N1) 2009 Monovalent Vaccine	multi-dose	Novartis	.01%	24.5
		single dose		≤1	
	Influenza A (H1N1) 2009 Monovalent Vaccine	multi-dose	sanofi pasteur	.01%	25
single dose		0		0	
Influenza A (H1N1) 2009 Monovalent Vaccine Live, Intranasal		MedImmune	0	0	
IPV	IPOL	sanofi pasteur	0	0	
Meningococcal	Menactra	sanofi pasteur	0	0	
	MENOMUNE-A/C/Y/W-135	multi-dose	.01%	25	
single dose		sanofi pasteur	0	0	
MMR	M-M-R II	Merck	0	0	
MMR-Varicella	ProQuad	Merck	0	0	
Polio	IPOL	sanofi pasteur	0	0	
Pneumococcal	Prennar	Wyeth-Ayerst	0	0	
	Pneumovax 23	Merck	0	0	
Rabies	RabAvert	Chiron	0	0	
	IMOVAX	sanofi pasteur	0	0	
Rotavirus	RotaTeq	Merck	0	0	
Typhoid Fever	Typhim Vi	sanofi pasteur	0	0	
	Vivotif	Berna Biotch	0	0	
Varicella	Varivax	Merck	0	0	
Zoster	Zostavax	Merck	0	0	
Yellow Fever	YF-VAX	sanofi pasteur	0	0	

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 mcg of Hg per 0.5 mL.

2. A previously marketed lyophilized preparation contained 0.005% thimerosal.

3. COMVAX is not approved for use under 6 weeks of age because of decreased response to the Hib component

* This product should be considered equivalent to thimerosal-free products. This vaccine may contain trace amounts (<0.3 mcg) of mercury left after post-production thimerosal removal; these amounts have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).

Institute for Vaccine Safety



Johns Hopkins Bloomberg
School of Public Health

Vaccine	Brand Name	Manufacturer	Thimerosal Concentration ¹	Mercury mcg/0.5 ml
Anthrax	BioThrax	BioPort Corporation	0	0
DTaP	Tripedia	sanofi pasteur	*	*
	Infanrix	GlaxoSmithKline	0	0
	DAPTACEL	sanofi pasteur	0	0
DTaP-HepB-IPV	Pediarix	GlaxoSmithKline	*	*
DTaP-Hib	TriHIBit	sanofi pasteur	*	*
DTwP	All Products		.01%	25
DT	Diphtheria & Tetanus Toxoids Adsorbed USP	sanofi pasteur	.01%	25
	multi-dose single dose		*	*
Td	DECAVAC	sanofi pasteur	*	*
	Tetanus and Diphtheria Toxoids Adsorbed	sanofi pasteur	*	*
Tdap	ADACEL	sanofi pasteur	0	0
	Boostrix	GlaxoSmithKline	0	0
Tetanus Toxoid	Tetanus Toxoid Adsorbed USP		.01%	25
	Tetanus Toxoid Adsorbed Adult Use	sanofi pasteur	.01%	25
	Booster		.01%	25
Hib	ActHIB	sanofi pasteur	0	0
	HibTITER	Wyeth-Ayerst	0	0
	PedvaxHIB liquid(2)	Merck	0	0
Hib/HepB	Comvax (3)	Merck	0	0
Hepatitis A	Havrix	GlaxoSmithKline	0	0
	Vaqta adult/pediatric	Merck	0	0
Hepatitis B	Engerix-B preservative free	GlaxoSmithKline	0	0
	Recombivax HB preservative free	Merck	0	0
Hep A-B	Twinrix	GlaxoSmithKline	*	*
HPV	Gardasil	Merck	0	0
Influenza 2006/7 Formula	Fluarix	GlaxoSmithKline	*	*
	FluLaval	GlaxoSmithKline	.01%	25
	FluMist	MedImmune	0	0
	Fluvirin	Chiron		≤0.98
	Fluzone 5 mL vial	sanofi pasteur	.01%	25
	Fluzone No Preservative		0	0
IPV	IPOL	sanofi pasteur	0	0
Meningococcal	Menactra	sanofi pasteur	0	0
	MENOMUNE-A/C/Y/W-135	sanofi pasteur	.01%	25
	multi-dose single dose		*	*
MMR	M-M-R II	Merck	0	0
MMR-Varicella	ProQuad	Merck	0	0
Pneumococcal	Pneumovax 23	Wyeth-Ayerst	0	0
	Pneumovax 23	Merck	0	0
Rabies	RabAvert	Chiron	0	0
	IMOVAX	sanofi pasteur	0	0
Rotavirus	RotaTeq	Merck	0	0
Typhoid Fever	Typhim Vi	sanofi pasteur	0	0
	Vivotif	Berna Biotch	0	0
Varicella Zoster	Varivax	Merck	0	0
	Zostavax	Merck	0	0
Yellow Fever	YF-VAX	sanofi pasteur	0	0

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 micrograms of Hg per 0.5 mL.

2. A previously marketed lyophilized preparation contained 0.005% thimerosal.

3. COMVAX is not approved for use under 6 weeks of age because of decreased response to the Hib component.

* This product should be considered equivalent to thimerosal-free products. This vaccine may contain trace amounts (<0.3 mcg) of mercury left after post-production thimerosal removal; these amounts have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).

Thimerosal Content in Some US Licensed Vaccines
updated October 16, 2006

Vaccine	Brand Name (click on the brand name for package insert)	Manufacturer	Thimerosal Concentration	Mercury mcg/0.5 ml
Anthrax	BioThrax	BioPort Corporation	0	0
	Tripedia	sanofi pasteur	*	*
DTaP	Infanrix	GlaxoSmithKline	0	0
	DAPTACEL	sanofi pasteur	0	0
DTaP-HepB-IPV	Pediatrix	GlaxoSmithKline	*	*
DTaP-Hib	TriHIBit	sanofi pasteur	*	*
DTwP	All Products		.01%	25
DT	Diphtheria & Tetanus Toxoids Adsorbed USP multi-dose	sanofi pasteur	.01%	25
	single dose		*	*
Td	DECAVAC	sanofi pasteur	*	*
	Tetanus and Diphtheria Toxoids Adsorbed	sanofi pasteur	*	*
Tdap	ADACEL	sanofi pasteur	0	0
	Boostrix	GlaxoSmithKline	0	0
Tetanus Toxoid	Tetanus Toxoid Adsorbed USP	sanofi pasteur	.01%	25
	Tetanus Toxoid Adsorbed Adult Use		.01%	25
	Booster		.01%	25
Hib	ActHIB	sanofi pasteur	0	0
	HibTITER	Wyeth-Ayerst	0	0
	PedvaxHIB liquid(2)	Merck	0	0
Hib/HepB	Comvax (3)	Merck	0	0
Hepatitis A	Havrix	GlaxoSmithKline	0	0
	Vaqta adult/pediatric	Merck	0	0
Hepatitis B	Engerix-B preservative free	GlaxoSmithKline	*	*
	Recombivax HB preservative free	Merck	0	0
Hep A-B	Twinrix	GlaxoSmithKline	*	*
HPV	Gardasil	Merck	0	0
Influenza 2006/7 Formula	Fluarix	GlaxoSmithKline	*	*
	FluLaval	GlaxoSmithKline	.01%	25
	FluMist	MedImmune	0	0
	Fluvirin	Chiron	.01%	25
	Fluzone 5 mL vial	sanofi pasteur	.01%	25
	Fluzone No Preservative 0.25 mL prefilled syringe		0	0
	0.5 mL prefilled syringe		0	0
0.5 mL vial	0		0	
IPV	IPOL	sanofi pasteur	0	0
Meningococcal	Menactra	sanofi pasteur	0	0
	MENOMUNE-A/C/Y/W-135 multi-dose	sanofi pasteur	.01%	25
single dose	*		*	
MMR	M-M-R II	Merck	0	0
MMR-Varicella	ProQuad	Merck	0	0
Pneumococcal	Prenvar	Wyeth-Ayerst	0	0
	Pneumovax 23	Merck	0	0
	RabAvert	Chiron	0	0
	IMOvax	sanofi pasteur	0	0
Rotavirus	RotaTeq	Merck	0	0
Typhoid Fever	Typhim Vi	sanofi pasteur	0	0
	Vivotif	Berna Biotch	0	0
Varicella Zoster	Varivax	Merck	0	0
	Zostavax	Merck	0	0
Yellow Fever	YF-VAX	sanofi pasteur	0	0

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 micrograms of Hg per 0.5 mL.

2. A previously marketed lyophilized preparation contained 0.005% thimerosal.

3. COMVAX is not approved for use under 6 weeks of age because of decreased response to the Hib component.

* This product should be considered equivalent to thimerosal-free products. This vaccine may contain trace amounts (<0.3 mcg) of mercury left after post-production thimerosal removal; these amounts have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).

Thimerosal Content in Some US Licensed Vaccines

updated September 13, 2005

Vaccine	Brand Name	Manufacturer	Thimerosal Concentration(1)	Mercury mcg/0.5 ml	
Anthrax	Biothrax	BioPort Corp	0	0	
DTaP	Tripedia	sanofi pasteur	*	*	
	Infanrix	GlaxoSmithKline	0	0	
	Daptacel	sanofi pasteur	0	0	
DTaP-HepB-IPV	Pediarix	GlaxoSmithKline	*	*	
DTaP-Hib	TriHIBit	sanofi pasteur	*	*	
DTwP	All Products		.01%	25	
DT	Diphtheria & Tetanus Toxoids Adsorbed USP	multi-dose	.01%	25	
		single dose	*	*	
Td	Tetanus and Diphtheria Toxoids Adsorbed	sanofi pasteur	*	*	
Tdap	ADACEL	sanofi Pasteur	0	0	
	Boostrix	GlaxoSmithKline	0	0	
Tetanus Toxoid	Tetanus Toxoid Adsorbed USP		.01%	25	
	Tetanus Toxoid Adsorbed Adult Use	sanofi pasteur	.01%	25	
	Booster		.01%	25	
Hib	ActHIB /OmniHib	sanofi pasteur	0	0	
	HibTITER	Wyeth-Ayerst	0	0	
	PedvaxHIB liquid (2)	Merck	0	0	
Hib-HepB	Comvax (3)	Merck	0	0	
Hepatitis A	Havrix	GlaxoSmithKline	0	0	
	Vaqta adult/pediatric	Merck	0	0	
Hepatitis B	Engerix-B preservative free	GlaxoSmithKline	*	*	
	Recombivax HB preservative free	Merck	0	0	
Hep A-B	Twinrix	GlaxoSmithKline	*	*	
Influenza 2004 /5 Formula		prefilled syringe (0.25 mL)	*	*	
	Fluzone	prefilled syringe (0.5mL)	sanofi pasteur	.01%	25
		multi-dose (5 mL)		.01%	25
		Fluvirin preservative free		*	*
	Fluvirin	Evans	.01%	25	
FluMist	MedImmune	0	0		
2005-6 Formula	Fluarix	GlaxoSmithKline	*	*	
IPV	IPOL	sanofi pasteur	0	0	
Meningococcal	Menactra	sanofi Pasteur	0	0	
	MENOMUNE-A/C/Y/W-135	multi-dose	sanofi pasteur	.01%	25
single dose			*	*	
MMR	M-M-R II	Merck	0	0	
MMR-Varicella	ProQuad	Merck	0	0	
Pneumococcal	Prennar	Wyeth-Ayerst	0	0	
	Pneumovax 23	Merck	0	0	
Rabies	RabAvert	Chiron	0	0	
	IMOVAX	sanofi pasteur	0	0	
Typhoid Fever	Typhim Vi	sanofi pasteur	0	0	
	Vivotif	Berna Biotch	0	0	
Varicella	Varivax	Merck	0	0	
Yellow Fever	YF-VAX	sanofi pasteur	0	0	

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 micrograms of Hg per 0.5 mL.

2. A previously marketed lyophilized preparation contained 0.005% thimerosal.

3. COMVAX is not approved for use under 6 weeks of age because of decreased response to the Hib component.

* This product should be considered equivalent to thimerosal-free products. The trace amounts (<0.3 mcg) of mercury left after post-production thimerosal removal have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).



Thimerosal Content in Some US Licensed Vaccines

updated February 2005

- but see p.2

Vaccine Issues

Anthrax
DTP/DTaP/Td
Exemptions
Hepatitis B
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Vaccine	Brand Name <small>(click on the brand name for package insert)</small>	Manufacturer	Thimerosal Concentration ¹	Mercury ug/0.5 ml	
Anthrax	Biothrax	BioPort Corporation	0	0	
DTaP	Tripedia	Aventis Pasteur	*	*	
	Infanrix	GlaxoSmithKline	0	0	
	Daptacel	Aventis Pasteur	0	0	
		GlaxoSmithKline	*	*	
DTaP-HepB-IPV	Pediarix	GlaxoSmithKline	*	*	
DTwP	All Products		.01%	25	
DT	Diphtheria & Tetanus Toxoids Adsorbed USP	multi-dose single dose	Aventis Pasteur	.01% *	25 *
	Td	DECAVAC™	Aventis Pasteur	*	*
Tetanus Toxoid	Tetanus Toxoid Adsorbed USP		.01%	25	
	Tetanus toxoid Adsorbed Adult Use	Aventis Pasteur	.01%	25	
	Booster		.01%	25	
Hib	ActHIB	Aventis Pasteur	0	0	
	TriHIBit	Aventis Pasteur	*	*	
	Hib III ER	Wyeth-Ayerst	0	0	
	PedvaxHIB liquid (2)	Merck	0	0	
Hib/HepB	Comvax (3)	Merck	0	0	
Hepatitis A	Havrix	GlaxoSmithKline	0	0	
	Vaqta adult/pediatric	Merck	0	0	
Hepatitis B	Engerix-B preservative free	GlaxoSmithKline	*	*	
	Recombivax HB preservative free	Merck	0	0	
Hep A-B	Twinrix	GlaxoSmithKline	*	*	
Influenza 2004/5 Formula	Fluzone	prefilled syringe (0.25 mL)		*	
		prefilled syringe (0.5mL)	Aventis Pasteur	.01%	
		multi-dose (5 mL)		.01%	
	Fluvirin preservative free	Evans	*	*	
	Fluvirin		.01%	25	
FluMist	MedImmune	0	0		
IPV	IPOL	Aventis Pasteur	0	0	
Meningococcal	MENOMUNE-A/C/Y/W-135	multi-dose	Aventis Pasteur	.01%	
		single dose		*	
MMR	M-M-R II	Merck	0	0	
Pneumococcal	Prevnar	Wyeth-Ayerst	0	0	
	Pneumovax 23	Merck	0	0	
Rabies	RabAvert	Chiron	0	0	
	IMOVAX	Aventis Pasteur	0	0	
Typhoid Fever	Typhim Vi	Aventis Pasteur	0	0	
	Vivotif	Berna Biotch	0	0	
Varicella	Varivax	Merck	0	0	
Yellow Fever	YF-VAX	Aventis Pasteur	0	0	

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 micrograms of Hg per 0.5 mL.
2. A previously marketed lyophilized preparation contained 0.005% thimerosal.
3. COMVAX is not approved for use under 6 weeks of age because of decreased response to the Hib component.

* This product should be considered equivalent to thimerosal-free products. This vaccine may contain trace amounts (<0.3 mcg) of mercury left after post-production thimerosal removal; these amounts have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).

pdf of Thimerosal Table (79 KB)

Thimerosal Content in Some US Licensed Vaccines
updated October 2004

Vaccine	Brand Name	Manufacturer	Thimerosal Concentration ⁽¹⁾	Mercury ug/0.5 ml	
Anthrax	Biothrax	BioPort Corp	0	0	
	Tripedia	Aventis Pasteur	*	*	
DTaP	Infanrix	GlaxoSmithKline	0	0	
	Daptacel	Aventis Pasteur	0	0	
DTaP - Hep B - IPV	Pediarix	GlaxoSmithKline	*	*	
DTwP	All Products		.01%	25	
DT	Diphtheria & Tetanus Toxoids Adsorbed USP	multi-dose	Aventis Pasteur	.01%	25
		single dose		*	*
Td	Tetanus and Diphtheria Toxoids Adsorbed	Aventis Pasteur	.01%	25	
Tetanus Toxoid	Tetanus Toxoid Adsorbed USP		.01%	25	
	Tetanus Toxoid Adsorbed Adult Use	Aventis Pasteur	.01%	25	
	Booster		.01%	25	
Hib	ActHIB /OmniHib	Aventis Pasteur	0	0	
	TriHIBit	Aventis Pasteur	*	*	
	HibTITER	Wyeth-Ayerst	0	0	
Hib/HepB	PedvaxHIB liquid (2)	Merck	0	0	
	Comvax (3)	Merck	0	0	
Hepatitis A	Havrix	GlaxoSmithKline	0	0	
	Vaqta adult/pediatric	Merck	0	0	
Hepatitis B	Engerix-B preservative free	GlaxoSmithKline	*	*	
	Recombivax HB preservative free	Merck	0	0	
Hep A-B	Twinrix	GlaxoSmithKline	*	*	
			*	*	
Influenza 2004 /5 Formula	Fluzone	prefilled syringe (0.25 mL)			
		prefilled syringe (0.5mL)	Aventis Pasteur	.01%	25
		multi-dose (5 mL)		.01%	25
	Fluvirin preservative free	Evans	*	*	
IPV	Fluvirin		.01%	25	
	FluMist	MedImmune	0	0	
Meningococcal	MENOMUNE-A/C/Y/W-135	multi-dose	Aventis Pasteur	.01%	25
		single dose		*	*
MMR	M-M-R II	Merck	0	0	
Pneumococcal	Prennar	Wyeth-Ayerst	0	0	
	Pneumovax 23	Merck	0	0	
Rabies	RabAvert	Chiron	0	0	
	IMOVAX	Aventis Pasteur	0	0	
Typhoid Fever	Typhim VI	Aventis Pasteur	0	0	
	Vivotif	Berna Biotch	0	0	
Varicella	Varivax	Merck	0	0	
Yellow Fever	YF-VAX	Aventis Pasteur	0	0	

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 micrograms of Hg per 0.5 mL.

2. A previously marketed lyophilized preparation contained 0.005% thimerosal.

3. COMVAX is not approved for use under 6 weeks of age because of decreased response to the Hib component.

* This product should be considered equivalent to thimerosal-free products. This vaccine may contain trace amounts (<0.3 µg) of mercury left after post-production thimerosal removal; these amounts have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).

Institute for Vaccine Safety



Johns Hopkins Bloomberg
School of Public Health

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Thimerosal Content in Some US Licensed Vaccines

updated 06/20/2003 ([see correction](#))

Vaccine	Brand Name (click on name for package insert)	Manufacturer	Thimerosal Concentration ¹	Mercury ug/0.5 ml	Date Approved or Changed	pg in 2003 PDR
Anthrax	Anthrax vaccine	BioPort Corporation	0	0		
DTaP	Acel-Imune					-
	Tripedia	Aventis Pasteur	*	25	03-28-00	811
	Centiva Infanrix	GlaxoSmithKline	0	0	07 20 98	1554
DTwP	All Products		.01%	25		
DT	All Products		.01%	25		
Td	All Products		.01%	25		
TT	All Products		.01%	25		
DTwP-Hib	Tetramune	Wyeth		25		
Hib	ActHIB /OmniHib	Aventis Pasteur	0	0	09-27-96	786
	ProHIBIT					
	TriHIBit	Aventis Pasteur	*	*		-
	HibTITER multi-dose single dose	Wyeth-Ayerst Wyeth-Ayerst	.01% 0	25 0		3402
	PedvaxHIB liquid(2)	Merck	0	0	03-98 (web)	2052
	Comvax 3)	Merck	0	0	10-02-96	1958
Hepatitis A	Havrix	GlaxoSmithKline	0	0		1536
	Vaqta adult/pediatric	Merck	0	0	03-29-96	2105
Hepatitis B	Engerix-B preservative free	GlaxoSmithKline	*	*	03-28-00	1505
	Engerix-B			25		
	Recombivax HB preservative free	Merck	0	0	08-27-99	2083
	Recombivax HB	Merck	.005%	12.5		
Hep A-B	Twinrix	GlaxoSmithKline	0	0	05-11-2001	1669
Influenza	All products in U.S.		.01%	25		
IPV	IIPOL	Aventis Pasteur	0	0		802
Lyme	LYMErix	GlaxoSmithKline	0	0	12-21-98	-
Meningococcal	MENOMUNE-A/C/Y/W-135	Aventis Pasteur	*	*		807
MMR	M-M-R II	Merck	0	0		2022
Measles	Attenuvax	Merck	0	0		1946
	ORIMUNE					
Pneumococcal	Prevnar	Wyeth-Ayerst	0	0	02-17-00	3455
	Pnu-mune 23	Wyeth-Ayerst	.01%	25		3437
	Pneumovax 23	Merck	0	0	1986	2061
Rabies					03-18-88	
	RabAvert	Chiron	0	0	10-20-97	1202
	IMOVAX	Aventis Pasteur	0	0	07-91 (PDR)	800
<i>Rotavirus</i>						
Typhoid	Vivotif Berna	Berna	0	0	04-97 (PDR)	2108

Typhoid Fever	Typhim Vi	Aventis Pasteur	0	0	06-95 (PDR)	818
	Typhoid vaccine	Wyeth-Ayerst	0	0	02-09-94 (PDR)	
Varicella	Varivax	Merck	0	0	03-17-95	2108
Yellow Fever	YF-VAX	Aventis Pasteur	0	0	05-96 (PDR)	821

- shaded text indicates vaccines no longer in production

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 micrograms of Hg per 0.5 mL.
2. A previously marketed lyophilized preparation contained 0.005% thimerosal. (*Prior to 02-04-02 this web page incorrectly referenced PedvaxHIB liquid as having contained 0.05% thimerosal.)
3. COMVAX is not approved for use under 6 weeks of age because of decreased response to the Hib component.

* This product should be considered equivalent to thimerosal-free products. This vaccine may contain trace amounts (<0.3 mcg) of mercury left after post-production thimerosal removal; these amounts have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).

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Thimerosal Content in Some US Licensed Vaccines

updated 12/17/2002 (see correction)

Vaccine	Brand Name (click on name for package insert)	Manufacturer	Thimerosal Concentration ¹	Mercury ug/0.5 ml	Date Approved or Changed	pg in 2003 PDR	
Anthrax	Anthrax vaccine	BioPort Corporation	0	0			
DTaP	Acel-Imune					-	
	Trinedia	Aventis Pasteur	*	-*	03-28-00	811	
	Infanrix	GlaxoSmithKline	0	0	07-29-98 -	1554	
DTwP	All Products		.01%	25			
DT	All Products		.01%	25			
Td	All Products		.01%	25			
TT	All Products		.01%	25			
DTwP-Hib							
Hib	ActHIB /OmniHib	Aventis Pasteur	0	0	09-27-96	786	
	ProHIBIT						
	TriHIBit	Aventis Pasteur	*	*		-	
	HibTITER	multi-dose single dose	Wyeth-Ayerst Wyeth-Ayerst	.01% 0	25 0		3402
	PedvaxHIB liquid(2)		Merck	0	0	03-98 (web)	2052
	Comvax 3)		Merck	0	0	10-02-96	1958
Hepatitis A	Havrix	GlaxoSmithKline	0	0		1536	
	Vaqtaadult/pediatric	Merck	0	0	03-29-96	2105	
Hepatitis B	Engerix-B preservative free	GlaxoSmithKline	*	*	03-28-00	1505	
	Engerix-B						
	Recombivax HB preservative free	Merck	0	0	08-27-99	2083	
	Recombivax HB	Merck	.005%	12.5			
Hep A-B	Twinrix	GlaxoSmithKline	0	0	05-11-2001	1669	
Influenza	All products in U.S.		.01%	25			
IPV	IIPOL	Aventis Pasteur	0	0		802	
Lyme	LYMERix	GlaxoSmithKline	0	0	12-21-98	-	
Meningococcal	MENOMUNE-A/C/Y/W-135	Aventis Pasteur	*	*		807	
MMR	M-M-Ril	Merck	0	0		2022	
Measles	Attenuvax	Merck	0	0		1946	
	ORIMUNE						
Pneumococcal	Prevnar	Wyeth-Ayerst	0	0	02-17-00	3455	
	Pnu-mune 23	Wyeth-Ayerst	.01%	25		3437	
	Pneumovax 23	Merck	0	0	1986	2061	
Rabies					03-18-88		
	RabAvert	Chiron	0	0	10-20-97	1202	
	IMOVAX	Aventis Pasteur	0	0	07-91 (PDR)	800	
Typhoid	Vivotif Berna	Berna	0	0	04-97 (PDR)	2108	
Typhoid Fever	Typhim Vi	Aventis Pasteur	0	0	06-95 (PDR)	818	

	Typhoid vaccine	Wyeth-Ayerst	0	0	02-09-94 (PDR)	
Varicella	Varivax	Merck	0	0	03-17-95	2108
Yellow Fever	YF-VAX	Aventis Pasteur	0	0	05-96 (PDR)	821

- shaded text indicates vaccines no longer in production

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 micrograms of Hg per 0.5 mL.
2. A previously marketed lyophilized preparation contained 0.005% thimerosal. (*Prior to 02-04-02 this web page incorrectly referenced PedvaxHIB liquid as having contained 0.05% thimerosal.)
3. COMVAX is not approved for use under 6 weeks of age because of decreased response to the Hib component.

* This product should be considered equivalent to thimerosal-free products. This vaccine may contain trace amounts (<0.3 mcg) of mercury left after post-production thimerosal removal; these amounts have nobiological effect. JAMA 1999;282(18) and JAMA 2000;283(16).

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Thimerosal Content in Some US Licensed Vaccines

updated 02-21-2002 (see correction)

Vaccine	Brand Name (click on name for package insert)	Manufacturer	Thimerosal Concentration	Mercury ug/0.5 ml	Date Approved or Changed	pg in 2002 PDR
Anthrax	Anthrax vaccine	BioPort Corporation	0	0		
DTaP	Acel-Imune	Wyeth-Ayerst	.01%	25	no longer produced	1851
	TriMedia	Aventis Pasteur	*	-*	03-28-00	817
	Certiva	Baxter	.01%	25	07-29-98 - no longer produced	
	Infanrix	GlaxoSmithKline	0	0	01-29-97	1562
DTwP	All Products		.01%	25		
DT	All Products		.01%	25		
Td	All Products		.01%	25		
TT	All Products		.01%	25		
DTwP-Hib	Tetramune	Wyeth-Ayerst	.01%	25	no longer produced	
Hib	ActiHib/OmniHib	Aventis Pasteur	0	0	09-27-96	798
	ProHIBIT	Aventis Pasteur	.01%	25	no longer produced	
	TriHIBit	Aventis Pasteur	*	*		817
	HibTITER multi-dose single dose	Wyeth-Ayerst Wyeth-Ayerst	.01% 0	25 0		1859
	PedvaxiHB liquid(2)	Merck	0	0	03-98 (web)	2148
	COMVAX(3)	Merck	0	0	10-02-96	2056
Hepatitis A	Havrix	GlaxoSmithKline	0	0		1544
	Vaqta adult/pediatric	Merck	0	0	03-29-96	2199
Hepatitis B	Engerix-B preservative free	GlaxoSmithKline	*	*	03-28-00	1517
	Engerix-B	GlaxoSmithKline	.005%	12.5	no longer produced	
	Recombinax HB preservative free	Merck	0	0	08-27-99	2178
	Recombinax HB	Merck	.005%	12.5		
Hep A-B	Twinrix	GlaxoSmithKline	0	0	05-11-2001	1674
Influenza	All products in U.S.		.01%	25		
IPV	IPOL	Aventis Pasteur	0	0		809
Lyme	LYMErix	GlaxoSmithKline	0	0	12-21-98	1592
Meningococcal	MENOMUNE-A/C/Y/W-135	Aventis Pasteur	*	*		813
MMR	M-M-R II	Merck	0	0		2118
Measles	Attenuvax	Merck	0	0		2044
	ORIMUNE	Wyeth-Ayerst	0	0	no longer produced	
Pneumococcal	Prevnar	Wyeth-Ayerst	0	0	02-17-00	1870

Multi-dose vial & thimerosal still in product

	Pnu-mune 23	Wyeth-Ayerst	.01%	25		1868
	Pneumovax 23	Merck	0	0	1986	2156
Rabies	Rabies Vaccine Adsorbed	Bioport Corporation	.01%	25	03-18-88	
	RabAvert	Chiron	0	0	10-20-97	1203
	IMOVAX	Aventis Pasteur	0	0	07-91 (PDR)	807
Rotavirus	Rotashield	Wyeth-Ayerst	0	0	08-31-98 withdrawn 10-15-99	
Typhoid	Vivotef Berna	Berna	0	0	04-97 (PDR)	997
Typhoid Fever	Typhim Vi	Aventis Pasteur	0	0	06-95 (PDR)	825
	Typhoid vaccine	Wyeth-Ayerst	0	0	02-09-94 (PDR)	
Varicella	Varivax	Merck	0	0	03-17-95	2202
Yellow Fever	YF-VAX	Aventis Pasteur	0	0	05-96 (PDR)	827

■ - shaded text indicates vaccines no longer in production

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 micrograms of Hg per 0.5 mL.

2. A previously marketed lyophilized preparation contained 0.005% thimerosal. (*Prior to 02-04-02 this web page incorrectly referenced PedvaxHIB liquid as having contained 0.05% thimerosal.)

3. COMVAX is not approved for use under 6 weeks of age because of decreased response to the Hib component.

* This product should be considered equivalent to thimerosal free products. This vaccine may contain trace amounts (<0.3 mcg) of mercury left after post-production thimerosal removal; these amounts have no biological effect. JAMA 1999;282(18) and JAMA 2000;283(16).

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<http://www.vaccinesafety.edu/thi-table.htm>
**Thimerosal Content in Some US
 Licensed Vaccines**
 updated 6-20-2000

Vaccine	Brand Name	Manufacturer	Thimerosal Concentration ¹	Mercury ug/0.5 ml	pg in 2000 PDR	pg in 1999 PDR	
Anthrax	Anthrax vaccine	BioPort Corporation	0	0			
DTaP	Acel-Imune	Lederle Laboratories	.01%	25	1524	1510	
	Tripedia	Pasteur Merieux Connaught	.01%	25	2307	2340	
	Certiva	North American Vaccine	.01%	25	1986	1972	
	Infanrix	SmithKline Beecham	0	0	3010	3061	
DTwP	All Products		.01%	25			
DT	All Products		.01%	25			
Td	All Products		.01%	25			
TT	All Products		.01%	25			
DTwP-Hib	Tetramune	Lederle Laboratories	.01%	25	1550	1544	
Hib	ActHIB	Pasteur Merieux Connaught	0	0	2283	2316	
	ProHIBit(4)	Pasteur Merieux Connaught	.01%	25	-	2345	
	TriHIBit	Pasteur Merieux Connaught	.01%	25	-	2340	
	HibTITER	multi-dose	Lederle Laboratories	.01%	25	1531	1520
		single dose	Lederle Laboratories	0	0	1531	1520
	PedvaxHIB liquid(2)	Merck	0	0	1850	1853	
	COMVAX(3)	Merck	0	0	1760	1750	
Omni Hib	SmithKline Beecham	0	0	3022	3072		
Hepatitis A	Havrix	SmithKline Beecham	0	0	3004	3056	
	Vaqta adult/pediatric	Merck	0	0	1899	1906	
Hepatitis B	Engerix-B	SmithKline Beecham	.005%	12.5	2997	3048	
	Engerix-B preservative free	SmithKline Beecham	--	.05*	--	--	
	Recombivax HB	Merck	.005%	12.5	1880	--	
	Recombivax HB preservative free	Merck	0	0	1880	1883	
Influenza	All products		.01%	25			
IPV	IPOL	Pasteur Merieux Connaught	0	0	2300	2333	
Lyme	IYMERix	SmithKline Beecham	0	0	3019	Web	
Meningococcal	Menomune A, C, AC and A/C/Y/W-135	GLI	.01%	25	2305	2339	
MMR	MMR-II	Merck	0	0	1819	1819	
OPV	Orimune	Lederle Laboratories	0	0		1528	
Pneumococcal	Prevnar	Wyeth-Lederle Vaccines	0	0			
	Pnu-Imune 23	Lederle Laboratories	.01%	25	1541	1533	
	Pneumovax 23	Merck	0	0	1858	1860	
Rabies	Rabies Vaccine Adsorbed	Bioport Corporation	.01%	25	3033	--	
	RabAvert	Chiron	0	0	941	898	
	IMOVAX	Pasteur Merieux Connaught	0	0	2296	2329	
Rotavirus	Rotashield	Wyeth-Ayerst	0	0	3314		
Typhoid	Vivotef Ty21a	Berna	0	0	766	727	
Typhoid Fever	Typhim Vi	Pasteur Merieux Connaught	0	0	2313	2348	
	Typhoid vaccine	Wyeth-Ayerst	0	0	3336	3399	
Varicella	Varivax	Merck	0	0	1901	1908	
Yellow Fever	YF-Vax	Pasteur Merieux Connaught	0	0		2350	

1. A concentration of 1:10,000 is equivalent to a 0.01% concentration. Thimerosal is approximately 50% Hg by weight. A 1:10,000 concentration contains 25 micrograms of Hg per 0.5 mL.

2. A previously marketed lyophilized preparation contained .05% thimerosal.

3. COMVAX is not approved for use under 6 weeks of age because of decreased response to the Hib component.

4. ProHIBit is recommended by the Academy only for children 12 months of age and older.

*, The new Engerix B product contains only trace amounts