Latex in Vaccine Packaging

"Immediate-type allergic reactions due to latex allergy have been described after vaccination, but such reactions are rare. If a person reports a severe anaphylactic allergy to latex, vaccines supplied in vials or syringes that contain natural rubber latex should be avoided if possible. If not, if the decision is made to vaccinate, providers should be prepared to treat immediate allergic reactions due to latex, including anaphylaxis. The most common type of latex hypersensitivity is a delayed-type (type 4, cell-mediated) allergic contact dermatitis. For patients with a history of contact allergy to latex, vaccines supplied in vials or syringes that contain dry natural rubber or natural rubber latex may be administered."

(ACIP General Best Practice Guidelines for Immunization)

The information on this table is from manufacturers' package inserts, as found on the FDA's website (<u>www.fda.gov/BiologicsBloodVaccines/Vaccines/ApprovedProducts/ucm093833.htm</u>). The date of the package insert as of February 2020 is shown in brackets. If the date contains an asterisk (*), the PI was not dated and this is the date the PI was reviewed. **If in doubt, check the manufacturer's package insert that came with the vaccine you are using.**

Vaccine		Latex?
Adenovirus (Adenovirus Type 4 and Type 7) [10/19]		NO
Anthrax (Biothrax) [11/15]		YES
Cholera (Vaxchora) [6/16]		NO
Dengue (Dengvaxia) [6/19]		NO
DTaP	Daptacel [12/18]	NO
	Infanrix [12/18]	YES – Syringe NO – Vial
DT (Sanofi) [6/18]		NO
Hib	Hiberix [4/18]	NO
	PedvaxHIB [10/18]	YES
	ActHIB [5/19]	NO
Hepatitis A	Havrix [2/20*]	YES – Syringe NO – Vial
	Vaqta [12/18]	YES – Syringe YES – Vial
Hepatitis B	Engerix-B [2/20*]	YES – Syringe NO – Vial
	Recombivax HB [12/18]	YES – Syringe YES – Vial
	Heplisav-B [2017]	NO
HPV	Gardasil-9 [10/18]	NO
Influenza	Afluria Quadrivalent [12/19]	NO
	Fluad [4/19]	NO
	Fluarix Quadrivalent [©2019]	NO
	Flublok Quadrivalent [4/19]	NO
	Flucelvax Quadrivalent [8/19]	NO
	FluLaval Quadrivalent [2/20*]	NO
	FluMist Quadrivalent [8/19]	NO
	Fluzone High-Dose [1/19]	NO
	Fluzone Quadrivalent [2019]	NO

Japanese Encephilis (Ixiaro) [9/18]NOKinrix [12/18]YES - Syringe NO - VialMMR (M-M-R II 2/20*]NOMMRV (ProQuation 2/20*]NOMenactra [4/26/18]NOMeningococcalMenactra [4/26/18]NOMeningococcalMenactra [4/26/18]NOMeningococcalMenactra [2/20*]NOMeningococcalMeningococcalNOMeningococcalMeningococcalNOMeningococcalMeningococcalNOPediarix [2/20*]NONOPediarix [2/20*]NONOPediarix [2/20*]NONOPentacel [1/19]Pneumovas 23 [2/20*]NOPneumococcalPrevnari 13 [8/17]NOPolio (IPOL) [2/2*NONORabiesImovax Rabies [10/19]NORotarix [2/20*]NONORotarix [2/20*]NONORotarix [2/20*]NONOTadpAdacel [1/19]YES - Syringe NO - VialTuirix *YES - Syringe NO - VialNOTyphoidTyphim Vi [3/14]NOVarciella (Varivation 2/20*]NONOVarciella (Varivation 2/20*]NO<	Vaccine		Latex?
Klintx [12/18] NO – Vial MMR (M-M-R II) [2/20*] NO MMR V (ProQuat) [2/20*] NO Manco [2/20*] NO Meningococcal Menactra [4/26/18] NO Meningococcal Menactra [4/26/18] NO Meningococcal Menactra [4/26/18] NO Meningococcal Menoco [2/20*] NO Quadracel [1/19] NO YES Pentacel [1/19] NO NO Pentacel [1/19] NO NO Pentacel [1/19] NO NO Pentacel [1/19] NO NO Polio (IPOL) [2/2/*] NO NO Rabies Imovax Rabies [10/19] NO Rabies Imovax Rabies [10/19] NO Rabies Imovax Rabies [10/19] NO Rotariu [2/20*] NO NO Mathies Imovax Rabies [10/19] NO Rotariu [2/20*] NO NO Rotariu [2/20*] NO NO Macci [1/19] NO N	Japanese Encephalitis (Ixiaro) [9/18]		NO
MMRV (ProQuat)[2/20*]NOMeningococcalMenactra [4/26/18]NOMeningococcalMenveo [2/20*]NOBexsero [2/20*]YESTrumenba [2018]NOQuadracel [1/19]NOPediarix [2/20*]NOPentacel [1/19]NOPeneumococcalPneumovax 23 [2/20*]NOPoneumococcalPrevnar 13 [8/17]NOPolio (IPOL) [2/2/*]NONORabiesImovax Rabies [10/19]NORabiesRotaTeq [2/17]NORotavirusRotaTeq [2/17]NORotavirusTenivac [11/19]YES - Syringe NO - VialTdSostrix [2/20*]YESTdapAdacel [1/19]YES - Syringe NO - VialTwinrix *YESNOTyphoidTyphim Vi [3/14]NOVarciella (Varivac) [2/20*]NOYESTyphoidTyphim Vi [3/14]NOVarcinia (Smallpoc) [2/21*]NOVarcinia (Smallpoc) [2/20*]NOVarcinia (Smallpoc) [2/20*]NO </td <td colspan="2">Kinrix [12/18]</td> <td></td>	Kinrix [12/18]		
Meningococcal Menactra [4/26/18] NO Meningococcal Menveo [2/20*] NO Bexsero [2/20*] YES Trumenba [2018] NO Quadracel [1/19] NO Pediarix [2/20*] YES Pentacel [1/19] NO Peneumococcal Pneumovax 23 [2/20*] NO Pneumococcal Pneumovax 23 [2/20*] NO Polio (IPOL) [2/2*) NO NO Pabies Imovax Rabies [10/19] NO Rabies Imovax Rabies [10/19] NO Rotavirus RotaTeq [2/17] NO Rotarix [2/20*] YES Syringe NO - Vial Td Tenivac [11/19] YES - Syringe NO - Vial Tdap Adacel [1/19] YES - Syringe NO - Vial Tdap Adacel [1/19] YES - Syringe NO - Vial Typhin Vi [3/14] NO NO <	MMR (M-M-R II) [2/20*]		NO
Meningococcal Menveo [2/20*] NO Bexsero [2/20*] YES Trumenba [2018] NO Quadracel [1/19] NO Pediarix [2/20*] YES Pentacel [1/19] NO Pediarix [2/20*] NO Pediarix [2/20*] NO Pediarix [2/20*] NO Pediarix [2/20*] NO Peneumococcal Pneumovax 23 [2/20*] NO Pneumococcal Pneumovax 23 [2/20*] NO Polio (IPOL) [2/>* NO NO NO Polio (IPOL) [2/>* NO NO NO Rabies Imovax Rabies [10/19] NO NO Rabies Imovax Rabies [10/19] NO NO Rotaric [2/17] NO NO Vial Rotarix [2/20*] YES - Syringe NO - Vial NO Tdap Tenivac [11/19] YES - Syringe NO - Vial NO Tdap Adacel [1/19] YES - Syringe NO - Vial NO - Vial Typhoid Typhin Vi [3/14] NO	MMRV (ProQuad) [2/20*]		NO
Meningococcal Bexsero [2/20 [‡]] YES Guadracel [1/19] NO Quadracel [1/19] NO Pediarix [2/20 [±]] YES Pentacel [1/19] NO Pneumococcal Prevnar 23 [2/20 [±]] NO Pneumococcal Prevnar 13 [8/17] NO Polio (IPOL) [2/2*) NO NO Rabies Imovax Rabies [10/19] NO Rotar [2/17] NO NO Rotar [2/20*] NO YES Td Tenivac [11/19] YES - Syringe NO - Vial Tdap Adacel [1/19] NO Twinrix * YES NO Typhoid Typhin Vi [3/14] NO Varceila (Variv=x [2/20*] NO NO Varceila (Small=x - Adm2000) [3	Meningococcal	Menactra [4/26/18]	NO
Bessero [2/20*] YES Trumenba [2018] NO Quadracel [1/19] NO Pediarix [2/20*] YES Pentacel [1/19] YES Pentacel [1/19] NO Pneumococcal Preumovax 23 [2/20*] NO Pneumococcal Prevnar 13 [8/17] NO Polio (IPOL) [2/-V*) NO NO Rabies Imovax Rabies [10/19] NO Rabies Imovax Rabies [10/19] NO Rotavirus RotaTeq [2/17] NO Rotavirus RotaTeq [2/17] NO Td Tenivac [11/19] YES - Syringe NO - Vial Td ToVAX [9/18] NO Tdap Adacel [1/19] YES - Syringe NO - Vial Twinrix * YES NO Typhoid Typhim Vi [3/14] NO Varcinia (Small-vi (ACAM2000) [3/18] NO NO Varcinia (Small-vi (ACAM2000) [3/18] NO NO Varcinia [so (Costavax [1/19] NO NO		Menveo [2/20*]	NO
Quadracel [1/19] NO Pediarix [2/20*] YES Pentacel [1/19] NO Pneumococcal Pneumovax 23 [2/20*] NO Pneumococcal Prevnar 13 [8/17] NO Polio (IPOL) [2/2*] NO NO Rabies Imovax Rabies [10/19] NO Rabies Imovax Rabies [10/19] NO Rotavirus RotaTeq [2/17] NO Rotavirus RotaTeq [2/17] NO Td Rotarix [2/20*] YES Td Rotarix [2/20*] YES Tdap Tenivac [11/19] YES ⁺ - Syringe NO - Vial Tdap Adacel [1/19] YES ⁺ - Syringe NO - Vial Twinrix * YES Syringe NO - Vial Typhoid Typhim Vi [3/14] NO Varcella (Varivatori [2/20*] NO YES Varcella (Varivatori [2/20*] NO NO Varcella (Varivatori [2/20*] NO NO Varcella (Varivatori [2/20*] NO NO Varcella (Small-x (ACAM2000) [3/18] NO		Bexsero [2/20*]	YES
Pediarix [2/20*]YESPentacel [1/19]NOPneumococcalPneumovax 23 [2/20*]NOPneumococcalPrevnar 13 [8/17]NOPolio (IPOL) [2/2/*]NONORabiesImovax Rabies [10/19]NORabiesRotaTeq [2/17]NORotavirusRotaTeq [2/17]NORotavirusRotaTeq [2/17]NOTdTenivac [11/19]YES - Syringe NO - VialTdTenivac [11/19]YES - Syringe NO - VialTdapAdacel [1/19]YES [†] - Syringe NO - VialTdapAdacel [1/19]YES [†] - Syringe NO - VialTyphoidTyphim Vi [3/14]NOVarcella (Varivatori [2/20*]NOVarcella (Varivatori [2/20*]NOVaccinia (Small-tot [2/19]NOYellow Fever (YF-Vax) [2/19]NOZosterZostavax [1/19]NOChristerZostavax [1/19]NoNO		Trumenba [2018]	NO
Pentacel [1/19] NO Pneumococcal Pneumovax 23 [2/20*] NO Polio (IPOL) [2/J) NO NO Pabies Imovax Rabies [10/19] NO Rabies RotaTeq [2/17] NO Rotarius RotaTeq [2/17] NO Rotarius Rotareq [2/17] NO Tational Rotareq [2/17] NO Rotarius Rotareq [2/17] NO Tational Rotareq [2/17] NO Rotarius [2/20*] YES YES Tational Rotarius [11/19] NO Tational Madcel [1/19] NO Tational Boostrix [2/20*] YES - Syringe NO - Vial Twinrix * YES NO Typhoid Typhim Vi [3/14] NO Varcella (Variva-x] Imovarial NO Varcelia (Small-x] (ACAM2000) [3/18]	Quadracel [1/19]		NO
PneumococcalPneumovax 23 [2/20*]NOPolio (IPOL) [2/20*]NOPolio (IPOL) [2/20*]NORabiesImovax Rabies [10/19]NORabiesImovax Rabies [10/19]NORabiesRotar [©2018]NORotavirusRotaTeq [2/17]NORotavirusRotarix [2/20*]YESTdTenivac [11/19]YES - Syringe NO - VialTdTenivac [11/19]NOTdapAdacel [1/19]YES - Syringe NO - VialTdapAdacel [1/19]YES - Syringe NO - VialTwinrix *YESSyringe 	Pediarix [2/20*]		YES
$ \begin{array}{c c c c c } \hline Prevnar 13 [8/17] & NO \\ \hline Polio (IPOL) [2/20*] & NO \\ \hline Polio (IPOL) [2/20*] & Imovax Rabies [10/19] & NO \\ \hline Rabies & Imovax Rabies [10/19] & NO \\ \hline Rabies & Imovax Rabies [10/19] & NO \\ \hline RabAvert [©2018] & NO \\ \hline Rotarix [©2018] & NO \\ \hline Rotarix [2/20*] & YES \\ \hline Td & Tenivac [11/19] & YES - Syringe \\ NO - Vial \\ \hline TDVAX [9/18] & NO \\ \hline TDVAX [9/18] & NO \\ \hline Tdap & Adacel [1/19] & YES^{\dagger} - Syringe \\ NO - Vial \\ \hline Boostrix [2/20*] & YES - Syringe \\ NO - Vial \\ \hline Boostrix [2/20*] & YES - Syringe \\ NO - Vial \\ \hline Twinrix * & YES \\ \hline Typhoid & Typhim Vi [3/14] & NO \\ \hline Varicella (Varivar) [2/20*] & NO \\ \hline Varcinia (Smallpor) (ACAM2000) [3/18] & NO \\ \hline Vaxelis [12/18] & NO \\ \hline Zoster & Zostavax [1/19] & NO \\ \hline \end{array}$	Pentacel [1/19]		NO
Prevnar 13 [8/17]NOPolio (IPOL) [2/2)*NORabiesImovax Rabies [10/19]NORabiesRotax Rabies [10/19]NORaba vert [©2018]NORotavirusRotaTeq [2/17]NORotavirusRotarix [2/20*]YESTdTenivac [11/19]YES – Syringe NO – VialTdTenivac [11/19]YES* – Syringe NO – VialTdapAdacel [1/19]YES* – Syringe NO – VialTdapAdacel [1/19]YES* – Syringe NO – VialTwinrix *YESSyringe NO – VialTyphoidTyphim Vi [3/14]NOVaricella (Varivax) [2/20*]NOVaccinia (Smallp-x) (ACAM2000) [3/18]NOVacelis [12/18]NOYellow Fever (YF-Vax) [2/19]NOZosterZostavax [1/19]NOChristelanKarlandarianChristelanCostavax [1/19]NO	D 1	Pneumovax 23 [2/20*]	NO
RabiesImovax Rabies [10/19]NORabAvert [©2018]NORotavirusRotaTeq [2/17]NORotavirusRotar [2/20*]YESTdTenivac [11/19]YES – Syringe NO – VialTdTenivac [11/19]YES – Syringe NO – VialTdapAdacel [1/19]YES – Syringe NO – VialTdapAdacel [1/19]YES – Syringe NO – VialTownrix *YESSyringe NO – VialTyphoidTyphin Vi [3/14]NOVarciella (Varivax) [2/20*]NOVaccinia (Smallpox) (ACAM2000) [3/18]NOVaxelis [12/18]NOYellow Fever (YF-Vax) [2/19]NOZosterZostavax [1/19]NO	Pheumococcai	Prevnar 13 [8/17]	NO
RablesRabAvert [©2018]NORotavirusRotaTeq [2/17]NORotarix [2/20*]YESTdRotarix [2/20*]YES – Syringe NO – VialTdTenivac [11/19]YES – Syringe NO – VialTdapAdacel [1/19]YES [†] – Syringe NO – VialTdapAdacel [1/19]YES – Syringe NO – VialTdapAdacel [1/19]YES – Syringe NO – VialTwinrix *YES – Syringe NO – VialTyphoidTyphim Vi [3/14]NOVarciella (Varivax) [2/20*]NOVaccinia (Smallpx)(ACAM2000) [3/18]NOVaxelis [12/18]NOYellow Fever (YF-Vax) [2/19]NOZosterZostavax [1/19]NO	Polio (IPOL) [2/20*]		NO
RabAvert [©2018] NO Rotavirus RotaTeq [2/17] NO Rotarix [2/20*] YES Td Tenivac [11/19] YES – Syringe NO – Vial TDVAX [9/18] NO Tdap Adacel [1/19] YES ⁺ – Syringe NO – Vial Tdap Boostrix [2/20*] YES – Syringe NO – Vial Twinrix * YES – Syringe NO – Vial NO Typhoid YES – Syringe NO – Vial NO Varicella (Varivax) [2/20*] YES NO Varcinia (Smallpx) (ACAM2000) [3/18] NO NO Vaccinia (Smallpx) (ACAM2000) [3/18] NO NO Yellow Fever (YF-Vax) [2/19] NO NO Zoster Zostavax [1/19] NO	Dahias	Imovax Rabies [10/19]	NO
RotavirusRotarix [2/20*]YESTdTenivac [11/19]YES – Syringe NO – VialTdTDVAX [9/18]NOTdapAdacel [1/19]YES [†] – Syringe NO – VialTdapBoostrix [2/20*]YES – Syringe NO – VialTwinrix *YESYESTyphoidTyphim Vi [3/14]NOVaricella (Varivax)[2/20*]NOVaccinia (Smallpx)(ACAM2000) [3/18]NOVacelis [12/18]NONOYellow Fever (YF-Vax) [2/19]NOZosterZostavax [1/19]NO	Kables	RabAvert [©2018]	NO
Rotarix [2/20*]YESTdTenivac [11/19]YES - Syringe NO - VialTdpAdacel [1/19]NOTdapAdacel [1/19]YES [†] - Syringe NO - VialTdapBoostrix [2/20*]YES - Syringe NO - VialTwinrix *YESSyringe NO - VialTyphoidTyphim Vi [3/14]NOVaricella (Varivax) [2/20*]NOVaccinia (Small>x) (ACAM2000) [3/18]NOVaxelis [12/18]NOYellow Fever (YF-Vax) [2/19]NOZosterZostavax [1/19]NO	Dotovima	RotaTeq [2/17]	NO
TdItentvac [11/19]NO - VialTdTDVAX [9/18]NO $Tdap$ Adacel [1/19]YES [†] - Syringe NO - VialTdapBoostrix [2/20*]YES - Syringe NO - VialTwinrix *YESTyphoidTyphim Vi [3/14]NOVaricella (Varivax) [2/20*]NOVaricella (Varivax) [2/20*]NOVaccinia (Smallpx)(ACAM2000) [3/18]NOVaccinia (Smallpx)(ACAM2000) [3/18]NOValis [12/18]NONOZosterZostavax [1/19]NO(Shinalao)Intervention (Smallprime (Stational (Smallprime)))NO	Kotavirus	Rotarix [2/20*]	YES
TdapAdacel [1/19]YES [†] - Syringe NO - VialBoostrix [2/20*]YES - Syringe NO - VialTwinrix *YESTyphoidTyphim Vi [3/14]Vivotif Berna [9/13]NOVaricella (Varivax) [2/20*]NOVaccinia (Smallpx)(ACAM2000) [3/18]Vaxelis [12/18]NOYellow Fever (YF-Vax) [2/19]NOZosterZostavax [1/19](Shin alac)NO	Td	Tenivac [11/19]	
TdapAdacer [1/19]NO – Vial $\operatorname{Boostrix} [2/20*]$ YES – Syringe NO – VialTwinrix *YESTyphoidTyphim Vi [3/14]NOVaricella (Varivax) [2/20*]NOVaricella (Varivax) [2/20*]NOVaccinia (Smallpx) (ACAM2000) [3/18]NOVaxelis [12/18]NOYellow Fever (YF-Vax) [2/19]NOZosterZostavax [1/19](Shinglap)NO		TDVAX [9/18]	NO
HereBoostrix [2/20*]YES - Syringe NO - VialTwinrix *YESTyphoidTyphim Vi [3/14]NOVaricella (Variva:[2/20*]NOVaricella (Variva:[2/20*]NOVaccinia (Smallp:(ACAM2000) [3/18]NOVaxelis [12/18]NONOYellow Fever (YF-Vax) [2/19]NOZosterZostavax [1/19]NO	Tdap	Adacel [1/19]	
TyphoidTyphim Vi [3/14]NOTyphoidVivotif Berna [9/13]NOVaricella (Varivax) [2/20*]NOVaccinia (Smallpx) (ACAM2000) [3/18]NOVaxelis [12/18]NOYellow Fever (YF-Vax) [2/19]NOZosterZostavax [1/19]NO		Boostrix [2/20*]	• •
Typhoid Vivotif Berna [9/13] NO Varicella (Varivax) [2/20*] NO NO Vaccinia (Smallpx) (ACAM2000) [3/18] NO Vaxelis [12/18] NO Yellow Fever (YF-Vax) [2/19] NO Zoster Zostavax [1/19] NO	Twinrix *		YES
Vivotif Berna [9/13] NO Varicella (Varivax) [2/20*] NO Vaccinia (Smallpox) (ACAM2000) [3/18] NO Vaxelis [12/18] NO Yellow Fever (YF-Vax) [2/19] NO Zoster Zostavax [1/19] (Shinglap) NO	Typhoid	Typhim Vi [3/14]	NO
Vaccinia (Smallpox)(ACAM2000) [3/18]NOVaxelis [12/18]NOYellow Fever (YF-Vax) [2/19]NOZosterZostavax [1/19](Shinglas)NO		Vivotif Berna [9/13]	NO
Vaxelis [12/18] NO Yellow Fever (YF-Vax) [2/19] NO Zoster Zostavax [1/19] (Shingles) NO	Varicella (Varivax) [2/20*]		NO
Yellow Fever (YF-Vax) [2/19] NO Zoster Zostavax [1/19] (Shingles) NO	Vaccinia (Smallpox) (ACAM2000) [3/18]		NO
Zoster Zostavax [1/19] NO	Vaxelis [12/18]		NO
(Shingles)	Yellow Fever (YF-Vax) [2/19]		NO
(Shingles) Shingrix [2/20*] NO	Zoster	Zostavax [1/19]	NO
	(Shingles)	Shingrix [2/20*]	NO

February 2020

[†]The tip caps of some lots of Adacel prefilled syringes contain latex while others do not. Check the package insert that came with your vaccine, if necessary.