

INFLUENZA VACCINES

	Afluria CSL/Merck	Agriflu Novartis	Fluarix GSK	Fluvirin Novartis	Fluzone Peds SanP.	Fluzone Adult SanP.	Fluzone Hi Dose SanP.	FluMist MedImmune	FluLaval IDBioMed	2009 H1N1 Novartis A/California/7/ 2009 (H1N1)
Chicken kidney cells								√		
Egg albumin (ovalbumin)	√		√	√						√
Egg protein		√						√	√	
Gelatin					√	√		√		
Beta-Propranolol	√			√						√
Formaldehyde/formalin		√	√		√	√	√		√	
MSG / L-glutamate								√		
Polysorbate 80		√	√							
Triton X-100 (Octylphenol Ethoxylate)	√	√	√	√	√	√	√		√	√
Gentamycin sulfate			√					√		
Kanamycin		√								
Neomycin	√	√		√						√
Polymyxin B	√			√						√
α-tocopheryl hydrogen succinate			√							
Hydrocortisone			√							
Ammonium bromide		√								
L-Arginine	√									
Calcium chloride	√									√
LATEX STOPPER			√			√				
Phosphate buffers				√						

Potassium chloride	√									√
Potassium phosphate	√									√
Potassium phosphate, di-basic	√							√		√
Sodium chloride	√									√
Sodium deoxycholate			√						√	√
Sodium phosphate, monobasic	√							√		√
Sodium taurodeoxychoalate	√									
Sucrose/Dextrose	√							√		
Thimerosal	SOME	NO	NO	YES	NO	YES	NO	NO	YES	YES
Forms	3 forms*	single dose only		multidose vials		multidose vials			multidose vials	multidose vials

- Gelatin:** Many reported cases of allergy and anaphylaxis. Additional vaccines with gelatin: Varivax (chickenpox), Zostavax (shingles), Polio, MMR and TriHibIt (DTaP + HiB).
- Formaldehyde:** The EPA and IARC have classified formaldehyde as a human carcinogen at any dose.
<http://www.cancer.gov/cancertopics/factsheet/Risk/formaldehyde>
- Polysorbate 80:** Numerous studies have shown this stabilizer can cause infertility:
- Thimerosal:** Used during manufacturing said to have <0.3mcg/dose. According to the FDA, the exact quantities in the vials have not been confirmed by independent testing. Multidose vials with thimerosal 24.5 to 25mcg/dose.
- Latex:** Natural rubber latex in vials has been associated with allergies and anaphylaxis.
- Afluria:**
 - Pediatric 0.25 single dose, no thimerosal**
 - Adults/pediatric 0.50 single dose, no thimerosal**
 - Multidose vial, each dose has 24.5mcg of mercury**

Created 07.10 by Dr. Sherri Tenpenny
2009 and 2010 package insert information
www.drtenpenny.com