

VACCINE INGREDIENTS AND ALLERGY INFORMATION

Vaccines contain a variety of ingredients, such as lipids, sugars, and salts. See additional information below.



YOU SHOULD NOT RECEIVE THE VACCINE IF:

You have had a severe or immediate¹ allergic reaction after a previous dose of this vaccine or to any ingredient of this vaccine, particularly polysorbate 80 or polyethylene glycol (PEG).

- If you have a polysorbate 80 allergy, do not take the J&J vaccine; discuss with your health care provider if you should get Pfizer or Moderna.
- If you have a PEG allergy, do not take Pfizer or Moderna; you may take the J&J vaccine.



IF YOU HAVE QUESTIONS OR CONCERNS:

Talk to your health care provider before getting vaccinated to review your medical conditions, including allergies to any of the vaccine ingredients listed below or severe reactions to other vaccines in the past.

The Johnson & Johnson (J&J) COVID-19 vaccine contains the following ingredients ²	The Moderna COVID-19 vaccine contains the following ingredients ³	The Pfizer-BioNTech COVID-19 Vaccine contains the following ingredients ⁴
<ul style="list-style-type: none"> • Recombinant • Replication incompetent adenovirus type 26 expressing the SARS-CoV-2 spike protein • Citric acid monohydrate • Trisodium citrate dihydrate • Ethanol • 2-hydroxypropyl-β-cyclodextrin (HBCD) • Polysorbate 80 • Sodium chloride 	<ul style="list-style-type: none"> • Messenger ribonucleic acid (mRNA) • Tromethamine • Tromethamine hydrochloride • Acetic acid • Sodium acetate • Sucrose • Lipids: SM-102, polyethylene glycol [PEG] 2000 dimyristoyl glycerol [DMG], cholesterol, and 1,2-distearoyl-sn-glycero-3-phosphocholine [DSPC] 	<ul style="list-style-type: none"> • mRNA • Potassium chloride • Monobasic potassium phosphate • Sodium chloride • Dibasic sodium phosphate dihydrate • Sucrose • Lipids: (4 hydroxybutyl)azanediyl bis(hexane 6,1 diyl)bis(2 hexyldecanoate), 2 [(polyethylene-2000)-N,N- ditetradecylacetamide, 1,2 Distearoyl-sn-glycero-3-phosphocholine, and cholesterol

¹ An immediate allergic reaction happens within four hours of getting vaccinated and may include symptoms such as hives, swelling, and wheezing (respiratory distress). For additional information on anaphylaxis, review: <https://www.cdc.gov/vaccines/covid-19/downloads/IntermConsid-Anaphylaxis-covid19vaccine-sit-es.pdf>.

² Johnson & Johnson (J&J) EUA fact sheet (<https://www.fda.gov/media/146305/download>)

³ Moderna EUA fact sheet (<https://www.modernatx.com/covid19vaccine-eua/eua-fact-sheet-recipients.pdf>)

⁴ Pfizer EUA fact sheet (<https://www.cvdvaccine-us.com/images/pdf/fact-sheet-for-recipients-and-caregivers.pdf>)

