

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 polysorbate 80 allergy, do not take J&J vaccine; discuss with medical provider if you should get Pfizer or Moderna
- If PEG allergy, do not take Pfizer or Moderna; you may take J&J vaccine



If you have questions or concerns:

Talk to your medical provider before getting this vaccine to review your medical conditions, including allergies to any of the vaccine ingredients as listed at right, or if you have had severe reactions to other vaccines in the past

The **Janssen (J&J)** COVID-19 Vaccine contains the following ingredients²

- 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

The **Moderna** COVID-19 Vaccine contains the following ingredients³

- 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]

The **Pfizer-BioNTech** COVID-19 Vaccine includes the following ingredients⁴

- mRNA
- Potassium chloride
- Monobasic potassium phosphate
- Sodium chloride
- Dibasic sodium phosphate dihydrate
- Sucrose
- Lipids: (4-hydroxybutyl)azanediylbis(hexane-6,1-diyl)bis(2-hexyldecanoate), 2 [(polyethylene glycol)-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). 2. Janssen (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>).