

COVID-19 Vaccine Allergens Chart

See below for an aphasia-friendly version of this information.

Table 4. Ingredients of authorized, available COVID-19 vaccines that have been associated with allergic reactions in other products

| Vaccine product | Potential allergen included in the vaccine or its container | Other products where the potential allergen may be found ^a |
|---|---|---|
| Pfizer-BioNTech COVID-19 vaccine | polyethylene glycol (PEG) ^{a,b,c} | Over the counter (e.g., cough syrup, laxatives), and prescription medications, medical bowel preparation products for colonoscopy, skin care products, dermal fillers, cosmetics, contact lens care solutions, products such as ultrasound gel ^d . |
| Moderna COVID-19 vaccine | PEG ^{a,b,c} | Over the counter (e.g., cough syrup, laxatives), and prescription medications, medical bowel preparation products for colonoscopy, skin care products, dermal fillers, cosmetics, contact lens care solutions, products such as ultrasound gel ^d . |
| | tromethamine ^e (trometamol or Tris) | Component in contrast media, oral and parenteral medications. |
| AstraZeneca COVID-19 vaccine | polysorbate 80 ^c | medical preparations (e.g., vitamin oils, tablets, and anticancer agents), cosmetics ^{d,f} |
| Janssen COVID-19 vaccine | polysorbate 80 ^c | medical preparations (e.g., vitamin oils, tablets, and anticancer agents), cosmetics ^{d,f} |

N.B. This is not a complete list of products.

^a Medications that contain PEG are described in Stone CA, et al., DOI:10.1016/j.jaip.2018.12.003

Source: [National Advisory Committee on Immunization](#)

| Vaccine Product | Potential Allergen |
|-------------------------------|---|
| • Pfizer- BioNTech Vaccine | • Polyethylene glycol (PEG) |
| • Moderna Vaccine | • PEG • Tromethamine (trometamol or Tris) |
| • AstraZeneca Vaccine | • Polysorbate 80 |
| • Janssen Vaccine | • Polysorbate 80 |

Other products where the **allergen PEG** might be found:

- Over the counter medications
- prescription medications
- medical bowel preparation product for colonoscopy
- skin care products
- dermal fillers
- cosmetics
- contact lens care solutions
- ultrasound gel

Other products where the **allergen tromethamine:**

(trometerol/Tris) might be found:

- component in contrast media
- oral
- parenteral medications

Other products where the **allergen polysorbate 80**

might be found:

- medical preparations such as vitamin oils, tablets
and anticancer agents