

Janssen – Johnson & Johnson COVID-19 Vaccine (CDC.gov)

One dose (0.5 ml) contains recombinant, replication-incompetent **Adenovirus 26** vector, encoding a stabilized variant of the SARS-CoV-2 Spike protein.

Other ingredients include:

Polysorbate - 80	Trisodium citrate dihydrate
2-hydroxypropyl-β-cyclodextrin	Citric acid monohydrate
Sodium chloride	Sodium hydroxide
Hydrochloric acid	Ethanol
Water for injection.	

AstraZeneca COVID-19 Vaccine (Gov UK).

One dose (0.5 ml) contains: 5×10^{10} viral particles of recombinant, replication-deficient **Chimpanzee Adenovirus** vector encoding the SARS CoV 2 Spike (S) glycoprotein produced in genetically modified human embryonic kidney cells (HEK).

Other ingredients include:

Polysorbate – 80	2-hydroxypropyl-β-cyclodextrin
Citric acid monohydrate	Trisodium citrate dihydrate
Sodium chloride	Sodium hydroxide
Hydrochloric acid	Ethanol
Water for injection.	

Pfizer-BioNTech COVID-19 Vaccine (FDA)

mRNA (nucleoside-modified messenger RNA encoding the viral spike glycoprotein (S) of SARS-CoV-2).

Other ingredients include:

4-hydroxybutyl)azanediyl)bis(hexane-6,1-diyl)bis(2-hexyldecanoate)	
2 [(polyethylene glycol) - 2000]-N,N-ditetradecylacetamide	
1,2-Distearoyl-sn-glycero-3- phosphocholine	Cholesterol
Potassium chloride	Monobasic K PO ₄
Sodium chloride	Sucrose.
Dibasic sodium phosphate dehydrate and	

Moderna COVID-19 Vaccine (FDA)

mRNA (Nucleoside-modified mRNA encoding the viral spike (S) glycoprotein of SARS-CoV-2)

Other ingredients include:

SM-102 (an ionizable lipid used to form lipid nanoparticles)	
1,2-dimyristoyl-rac-glycero-3-methoxy polyethylene glycol-2000 [PEG2000-DMG]	
1,2-distearoyl-snglycero-3-phosphocholine [DSPC]	
Cholesterol	Tromethamine
Tromethamine hydrochloride	Acetic acid
Sodium acetate	Sucrose.