



What's in the COVID-19 Vaccine?

Ask a Pharmacist Office Hours

1. 30mcg nucleoside-modified messenger RNA (mRNA) encoding viral spike glycoprotein of SARS-CoV-2.
2. Lipids
 - a. 0.43mg((4-hydroxybutyl)azanediyl)bis(hexane-6,1-diyl)bis(2-hexyldecanoate), also known as ALC-0315.
 - b. 0.05mg 2-(polyethylene glycol 2000)-N,N-ditetradecylacetamide, also known as ALC-0159
 - c. 0.09mg 1, 2-distearoyl-sn-glycero-3-phosphocholine, also know as distearoylphosphatidylcholine
 - d. 0.2mg cholesterol
3. Salts
 - a. 0.01mg potassium chloride
 - b. 0.01mg monobasic potassium phosphate
 - c. 0.36mg sodium chloride
 - d. 0.07mg dibasic sodium phosphate dihydrate
4. 6mg Sucrose
5. Diluent- 1.8mL sterile 0.9% Sodium Chloride Injection, USP
 - a. Gives 2.16mg sodium chloride

References:

1. Comirnaty Package Insert. U.S. Food and Drug Administration. <https://www.fda.gov/media/151707/download>. Published August 23, 2021. Accessed February 1, 2022.



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