

Ingredients Table for the Pfizer-BioNTech COVID-19 Vaccine

This table has been developed from information supplied by Leicestershire Medicines Information Centre, Part of the Midlands and East Medicines Advice Service (East Midlands Site) and UK Drugs in Lactation Advisory Service.

The information is intended for use by community leaders as requested to help inform their communities about the contents of the Pfizer-BioNTech COVID-19 Vaccine.

Ingredient	Information for Patients
<u>Active Ingredient</u>	
BNT162b2 RNA	It stimulates the body's natural defences (immune system) and causes the body to produce its own protection (antibodies) against the virus.
<u>Excipients</u>	
ALC-0315 (4-hydroxybutyl) azanediyl)bis (hexane-6,1-diyl)bis(2- hexyldecanoate)	All lipids used in the vaccine are either from plant-derived sources or are synthetic and have no animal components. ALC-0135 and ALC-0158 are new ingredients developed for the vaccine. ALC-0159 contains polyethylene glycol (PEG) which some people may have an allergy to. DSPC and Cholesterol are naturally occurring lipids.
ALC-0159 (2-[(polyethylene glycol)- 2000]-N,N- ditetradecylacetamide)	
DSPC (1,2-Distearoyl-sn-glycero-3- phosphocholine)	
Cholesterol	
Potassium chloride	Potassium is an essential mineral found in food. Only a small amount is in the vaccine so it is considered to be 'potassium-free'.
Potassium dihydrogen phosphate	Phosphates are salts containing the mineral phosphorus. Phosphates such as potassium dihydrogen phosphate and disodium hydrogen phosphate dihydrate are commonly used in vaccines. As well as keeping the pH (acid/alkaline) balance, they also help to keep the active ingredient suspended in the water, so that it does not settle out. Phosphate occurs naturally in the body and is found in food.
Disodium hydrogen phosphate dihydrate	
Sodium chloride	Ordinary table salt. Only a small amount is in the vaccine so it is considered to be 'sodium-free'.
Sucrose	Ordinary sugar obtained from sugar cane and sugar beet.
Water for injections	Sterile water manufactured to a quality suitable for injections.