

**What
ingredients
are in the
AstraZeneca
vaccine?**



www.lelan.org.au

**AstraZeneca (VaxZevria)
vaccine is made up of
active ingredient,
emulsifiers, preservatives,
amino acids, salts, sugars
and waters.**



www.lelan.org.au

What is the **active ingredient**?



Modified virus (adenovirus). Adenoviruses are common viruses that can cause a variety of illnesses (e.g. Bronchitis, conjunctivitis).

It has been changed in the vaccine so that it **cannot cause an infection**. It has been tested for other diseases such as influenza (flu).



What do the **emulsifiers** & **preservatives** do?



Emulsifiers: help the oil and water-based ingredients stay together.



Preservatives: are added to keep vaccines free of contamination, like bacteria.



What do **amino acids** and **salts** do?



Amino Acids: are used to stabilise the vaccine and make sure it stays good when transported and stored.



Salts: help balance out acidity so it is better stored and similar with the body tissue it is injected into.



What do the **sugars** & **water** do?



Sugars: stop the molecules from losing their shape during the intense freezing process.



Water: most of the vaccines are made from water to make it easier to inject.



List of ingredients for the Astra Zeneca vaccine:

Active Ingredients

One dose (0.5 mL) contains 5×10^{10} viral particles (vp) of ChAdOx1-S.

Other Ingredients (Excipients)

- Histidine (Amino acids)
- Histidine hydrochloride monohydrate (Amino acids)
- Sodium chloride (Salts)
- Magnesium chloride hexahydrate
- Disodium edetate (EDTA) (Preservatives)
- Sucrose (Sugars)
- Ethanol absolute (Preservatives)
- Polysorbate 80 (Emulsifiers)
- Water for injections (Water)



For more information:

Therapeutic Goods Association (TGA)

- <https://www.tga.gov.au/covid-19-vaccine-information-consumers-and-health-professionals#ingredients>

Queensland Health

- <https://www.health.qld.gov.au/news-events/news/whats-really-in-a-covid-19-vaccine>





www.lelan.org.au

Supported by:



Government
of South Australia

Wellbeing SA