

**COVID-19 Vaccine:
Images of Vaccine
and the Combined
Needle and
Syringes**

Pfizer BNT162b Vaccine

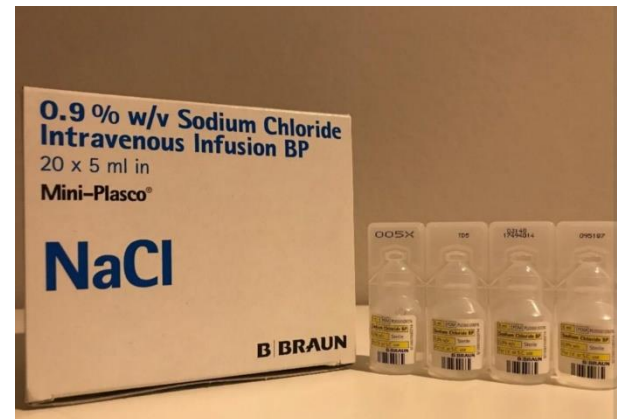
- 2ml vial (dimensions 13mm diameter and 31mm height)
- 5 doses per vial. Dose is 0.3ml IM.
- Preparation and administration protocol included in the Pfizer Information for Healthcare Professionals document:

<https://www.gov.uk/government/publications/regulatory-approval-of-pfizer-biontech-vaccine-for-covid-19>



0.9% NaCl Sol for Injection (BNT162b)

- Diluent for BNT162b (require **1.8ml per vial**).
- *Use a fresh amp for each vaccine vial.*
- Sourced from two suppliers, Fresenius and Bbraun. Both pack sizes are 20 x **5ml** plastic amps.



CNS for Dilution (BNT162b)

- Needle and syringe for dilution (not used for administration to patients)
- Combined needle and syringe (CNS) sourced from two suppliers, BD (Discardit) and Unisurge.
- Same specification: both 21G x 38mm (1.5 inch) needle with 2ml Syringe with graduations at 0.1ml. 100 pack.
- Needle needs to be attached to the syringe
- Require one per vial.



CNS for Administration (BNT162b)

- BNT162b is **0.3ml IM dose**. GBUK (Prosum) product sourced. 1ml syringe with **0.1ml graduations**.
- Two sizes, 23g and 25g (1 inch). Plan to use 23g until exhausted and then switch to 25g.
- Luer slip fitting (can switch needle).
- No safety feature.
- One per patient. The same syringe will be used for drawing up the vaccine and administration to the patient (no latex in vial topper).



AZ Vaccine (Packaging)

- Dose is provisionally 0.5ml IM (subject to change). 10 vials in a pack.
- Pack size depends on the packaging line:
 - **80 dose pack:** Wockhardt (UK): 5ml vial - 8 doses per vial.
(88% of supply is this pack size)
 - Or
 - **100 dose pack:** IDT (Germany): 6ml vial - 10 doses per vial.
- Not authorised for use yet. No dilution step. Same needle used to draw up and administer (no latex in vial topper).



CNS for Administration (AZ)

- Combined needle and syringe (CNS) sourced at UK level.
- **0.5ml IM dose.** BD product sourced is **0.25ml graduations.**
- Two sizes, 23g and 25g. Plan to use 23g until exhausted and then switch to 25g.
- BD is fixed needle (therefore can't switch needle).
- No safety feature.

