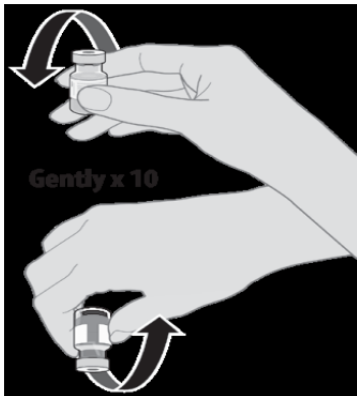


Dilution of vaccine

Requirements for diluting the vaccine

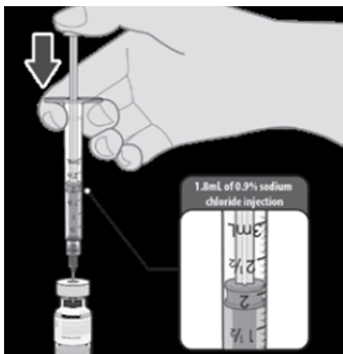
- One Comirnaty® multidose vial
- One 10ml ampoule of Sodium Chloride 0.9% solution for injection (stored at room temperature/ does not need to be kept in the fridge)
- Two 70% alcohol swabs
- One 21 gauge green needle
- A 2.5ml, 3ml or 5ml syringe

STEP 1 PREPARING FOR DILUTION

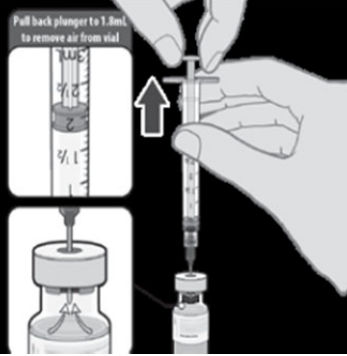
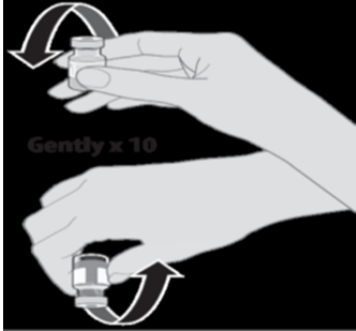


- Check the “**use before**” date and time on the box containing the vials with a colleague
- Remove the vial from the box in the fridge/ cool box
- Gently invert vial 10 times prior to dilution. **Do not shake**
- Inspect the liquid in the vial prior to dilution
Should be an off-white solution. It may contain white to off-white amorphous particles.
- Remove cap
- Clean with 70% alcohol swab and allow it to air dry fully


STEP 2. DILUTION



- Twist to separate one ampoule of sodium chloride from other ampoules if attached
- Check product and expiry date with colleague
- Open the ampoule by twisting the cap using standard aseptic technique
- Connect syringe tightly to sodium chloride ampoule (no needle is required)
- Withdraw 1.8ml of Sodium Chloride 0.9% Solution for Injection
- Cross check correct amount withdrawn with colleague

 	<ul style="list-style-type: none"> ● Discard the ampoule and any remaining diluent in it into waste bin ● Attach 21 gauge green needle to the syringe ● Insert diluent slowly into the vaccine vial. You may feel some pressure in the vial as you add the diluent. ● Do not remove the needle from the vial. Keeping the needle above the level of the liquid, slowly withdraw 1.8 ml of air into the empty diluent syringe to equalise the pressure. ● Remove needle and syringe from vial. ● Dispose of the needle and syringe in a sharps bin. ● Gently invert the diluted solution 10 times. <u>Do not shake.</u> <p style="margin-left: 20px;">Diluted vaccine should be an off-white solution with no visible particles. Discard if particles present.</p> <ul style="list-style-type: none"> ● Discard the diluted vaccine if particulates or discolouration are present ● Dispose green needle and syringe into yellow sharps bin
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STEP 3. LABELING THE VIAL

	<ul style="list-style-type: none"> ● Label the diluted vial with the date and “<i>discard time</i>” (6 hours after time of dilution) using a 24 hour format. Do not use the diluted vaccine after this date and time. <p style="margin-left: 20px;">e.g. vial diluted at 10.00 01/01/2021. Discard time is 16.00 01/01/2021</p> <ul style="list-style-type: none"> ● After dilution, the vial contains up to 7 doses* of 0.3 ml ● Diluted vaccines can be stored between 2°C and 30°C but must be used within 6 hours following dilution. ● Bring the vial to your vaccination table/site for vaccine preparation and administration
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*When a vaccinator can withdraw a **seventh** 0.3ml dose from a single vial of vaccine, this dose can be used as a viable dose in the vaccination programme.

If it is not possible to withdraw 0.3 ml for a 7th dose, the vial should be discarded.

There should be no pooling of vaccine solution from different vials.