

Guidance for Priorix (measles, mumps and rubella) vaccine preparation

STORAGE REQUIREMENTS

Priorix (MMR) vaccine vials are stored and distributed at +2°C to +8°C with an expiry 2 years from manufacture. Vaccine must be stored in the manufacturer's carton to protect from light. Each powder-containing vial with diluent-filled syringe reconstitutes to make a single vaccine dose.

This vaccine must be reconstituted with the supplied diluent.

Priorix comes in a box of 10 single doses.

Vaccine doses should be used as soon as possible after being drawn up.

1. PREPARE WORK AREA

Vaccine preparation should always take place in a well-lit, dust-free, dedicated quiet workspace, away from distractions. If preparing multiple vaccines, ensure vaccines are kept in separate containers.

Preparation and administration of this vaccine should only be carried out by fully authorised, provisionally authorised, or pharmacist vaccinators, or vaccinating health workers (VHW) Stage 2 who have completed appropriate vaccine training (not VHW Stage 1). A double check by a second appropriately trained staff member is recommended. Although recommended, we acknowledge this is not always possible.

Ensure you have the appropriate equipment and supplies to hand prior to removing vaccine from fridge. This includes:

- 2 x 25G or 23G needles (one for reconstitution, one for administering)
 - If longer needle needed, use 21G or 25G x 38mm needle
- Wipeable hard-walled container for drawn-up vaccine
- Sharps bin
- Hand sanitiser



- Clean the workstation and vaccine tray with disinfectant wipes.
- Perform hand hygiene before preparing the vaccine and before and after administering it to patient.

2. SELECT VACCINE FROM THE FRIDGE

- Check you have the RIGHT vaccine
- Check vaccine vial expiry date and supplied diluent expiry date. The vaccine and diluent expiry dates may be different. Always use the shorter of the two expiry dates.
- **Second person also checks that the CORRECT vaccine has been selected, by confirming the product name on the vial and checking the expiry date printed on vial and on syringe by manufacturer.** Slightly pink powder for vaccine comes in a glass vial and clear diluent solution in a glass pre-filled syringe. Vaccine appears clear peach to fuchsia pink once reconstituted. Visually inspect the vial and syringe prior to reconstitution and prior to administration. Discard if particulate matter, discolouration, or differences in the described appearance are observed.



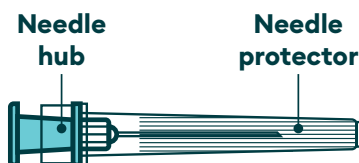
3. RECONSTITUTE THE VACCINE

The vaccine is only drawn up after patient consent is obtained as is standard practice for routine vaccine administration.

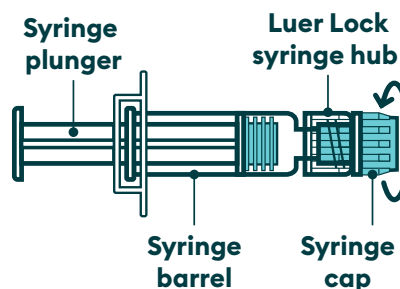
Priorix must be reconstituted by adding the entire contents of the pre-filled syringe of diluent into the vial containing the powder.

- Attach a 25G or 23G 25mm needle to the syringe. The syringe provided might be slightly different than the syringe illustrated.
- Unscrew the syringe cap by twisting it anticlockwise (as illustrated in picture 1).
- Attach a needle to the syringe by gently connecting the needle hub into the Luer Lock and turn clockwise until you feel it lock (as illustrated in picture 3).
- Place the vial on a clean flat surface and remove cap (the rubber bung is considered sterile. Swabbing with alcohol wipe is not necessary, unless you accidentally touch the rubber bung, in which case clean with alcohol swab and allow to dry for 2 minutes).
- Remove the needle protector, which may be stiff.
- Using aseptic technique, add all the diluent to the powder.
- Leaving needle in, shake until the powder is completely dissolved in the diluent.

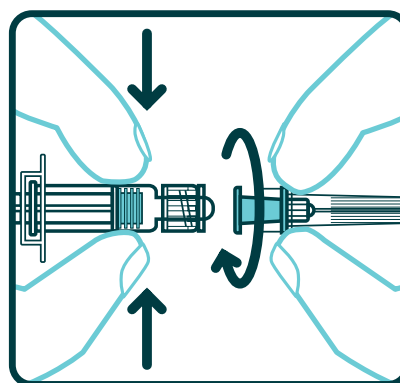
PICTURE 1



PICTURE 2

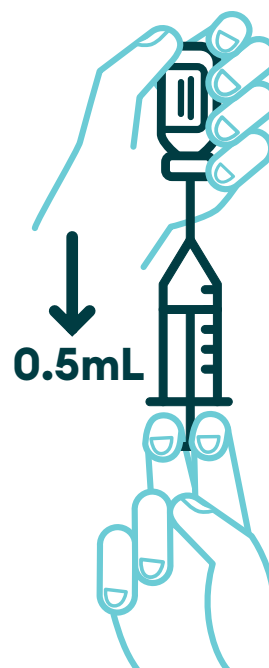


PICTURE 3



4. DRAW UP THE VACCINE

- After reconstitution, the vaccine should be used promptly.
- Invert vial and withdraw the entire contents of the vial
- Detach needle from syringe (so needle stays in vial)
- Expel air from syringe until the vaccine is level with the hub of the syringe
- Place new needle on to administer the vaccine.
- Visually inspect volume, check for particulates, discolouration, and leaks. Discard if they are observed.
- As recommended, obtain second check of volume and visual inspection from appropriately trained staff member.
- Add both syringe and empty vial to hard walled container.
- Vaccine does NOT need to be brought to room temperature prior to preparation and administration.
- Administer vaccine to individual.



FOR FURTHER GUIDANCE PLEASE CONTACT 0800 IMMUNE (0800 466 863)