

Instruction for extraction of Pfizer-BioNTech Comirnaty vaccine doses

Materials needed:

- RobinVac station with mobile camera
- 7 x 1 ml syringes
- 8 x G23 injection cannulas
- 1 x G21 40mm. or 50 mm. cannula
- Disinfection swabs.
- Tray for prepared syringes
- Vaccine vial (after dilution)

1. Start by disinfecting the vaccine station according to local guidelines
2. Disinfect the vial stopper
3. Open the syringe packaging halfway up and draw up **0.15 ml** of air while the syringe is still in the packaging
4. Attach a G23 cannula to the syringe
5. Insert the cannula angled approx. 5 mm. through the rubber stopper
6. Click the vial neck into the holder from left side while sliding the cannula into the slot at the same time. Push the cannula all the way in
7. Remove the syringe from the G23 cannula and attach a G21 cannula
8. Observe the cut-off surface of the cannula tip and turn it away from yourself
9. Point the cannula tip in the center of the rubber stopper, raise it up to vertical and push it all the way in. If vertical rotation of the syringe is needed in order to make the scale face the camera: Squeeze hard on the lower part of the cannula top (minus edge) while rotating the syringe

10. Draw up vaccine until the **liquid level - not piston-** is at upper part of the **0.26 ml** line
11. Squeeze lower part of the cannula top while rotating the syringe off with a soft, upward motion
12. Attach a G23 injection cannula and place the syringe with needle in the tray, with plunger rod on the tray edge, so that the syringe stays angled and doesn't rotate
13. Draw 0.15 ml air into a new syringe, insert it into the cannula top and repeat steps 10.-13

Once all 7 doses are extracted, remove the vial and cannulas collectively from the holder and dispose of them

Keep syringes with rear end above horizontal during transportation at all times

During vaccination, insert the needle a little above horizontal to ensure the air pad in the syringe stays on top. The air pad ensures 100% emptying of the syringe and creates an "air plug" that protects against vaccine leakage. Withdrawal is not required.

