

Figure 1

1. Incubate semen sample 15 min at 37 °C for liquefaction. (Fig. 1)
2. Open the device package with care.
3. Use a 1 mL syringe to draw 1000  $\mu$ L of liquefied semen. If there is insufficient volume, add sperm washing solution to give 1000  $\mu$ L.
4. Take approximately 1000  $\mu$ L of semen sample with an injector. Do not get air bubbles into the syringe while taking samples. These air bubbles will affect the performance of the device (Figure 2).

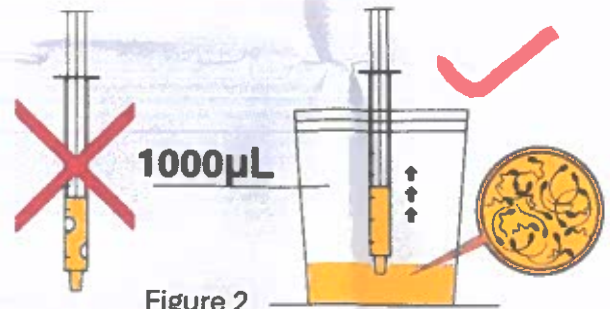


Figure 2

5. Hold the syringe in a vertical position, insert the tip into the inlet (1) and apply gentle pressure to achieve a seal. Avoid the formation of bubbles under the membrane (Figure 3).
6. Prepare a fresh syringe with 1000  $\mu$ L of sperm

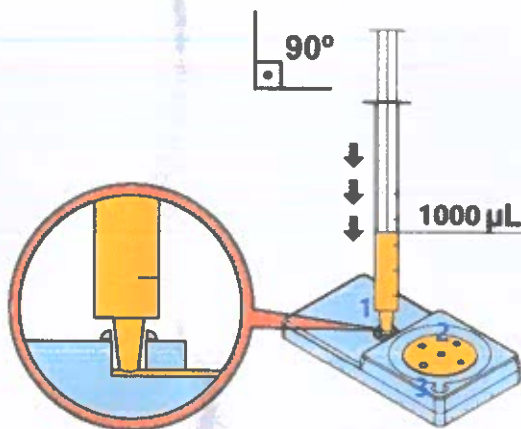


Figure 3

wash solution. Hold the syringe in a vertical position, insert the tip into outlet No. (3)  
Full the entire upper chamber with the sperm wash solution (media). It is recommended to use the five inlet/outlet ports No.(2) instead of the outlet No.(3) to ensure an uninterrupted flow of media over the membrane. (Figure 4).

7. Incubate the prepared device at 37°C for 30 minutes. If you are using HEPES buffered media, you don't need CO2 incubator. If you use bicarbonate buffered media, you must use 5% CO2 incubator. (Figure 1).
8. After 30 minutes incubation, insert a fresh 1 mL syringe into outlet No. (3). Slowly aspirate a maximum of 700  $\mu$ L of the sperm-containing fluid (Figure 5).
9. Transfer the collected material to a capped tube.

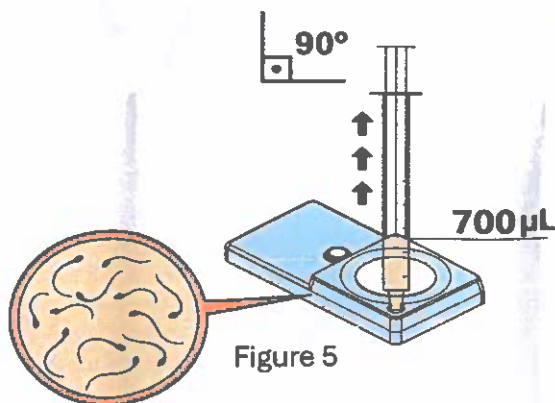


Figure 5

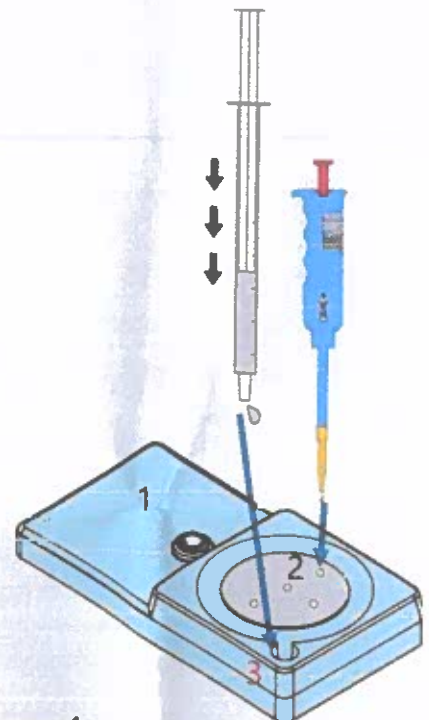


Figure 4