



Continuous One-Step PureCeption® Gradient

(Preferred method for normozoospermic sample)

1. Bring all reagents to 37°C before use. Make a 90% PureCeption® solution by adding 1 volume of Quinn's® Sperm Washing Medium (ART-1005/ART-1006) to 9 volumes of PureCeption 100% Isotonic Solution (ART-2100).
2. Add 1.0 mL of 90% PureCeption to a 15 mL conical centrifuge tube.
3. Gently layer 1.5-2.0 mL of fresh liquefied semen or 1-2 mL of frozen-thawed specimen on top of the 90% PureCeption using a transfer pipette or syringe. Frozen-thawed samples should be thoroughly warmed to 37°C to maximize sperm motility. There should be no mixing of the sample and the 90% PureCeption. If the semen volume is more than 2.0 mL, use more than one tube of 90% PureCeption.
4. Centrifuge at 500 x g for 20 minutes. If the sample is viscous or has a low count, centrifuge for an extra 10-20 minutes.
5. Using a pipette or syringe, carefully remove the 90% PureCeption and seminal fluid without disturbing the sperm pellet, leaving a small amount of 90% PureCeption over the sperm pellet. Aspirate from the top downward, always keeping the pipette tip just below the fluid surface. If no sperm pellet is clearly visible, remove all but 0.5 mL of the 90% PureCeption layer. This will allow for the collection of sperm suspended in the 90% PureCeption. Transfer the sperm pellet in this residual medium to a clean conical centrifuge tube for further washing.
6. Using a syringe or pipette, add 3-5 mL of Quinn's Sperm Washing Medium and resuspend the pellet by gently tapping the tube with your fingers.
7. Centrifuge at 500 x g for 5 minutes to wash away residual 90% PureCeption solution.
8. Carefully remove the supernatant and resuspend the sperm pellet in a suitable volume of appropriate medium. (e.g. use 0.4 mL of Quinn's Sperm Washing Medium for IUI; use bicarbonate buffered medium such as Quinn's Advantage® Fertilization Medium (ART-1020) for IVF and dilute the sperm to an appropriate volume.)

Related Products

Part Number	Description	Unit Size
ART-1005	Quinn's Sperm Washing Medium	12 x 12 mL
ART-1006	Quinn's Sperm Washing Medium	100 mL
ART-1020	Quinn's Advantage Fertilization (HTF) Medium	50 mL
ART-1021	Quinn's Advantage Fertilization (HTF) Medium	100 mL
ART-2100	PureCeption 100% Isotonic Solution	100 mL



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