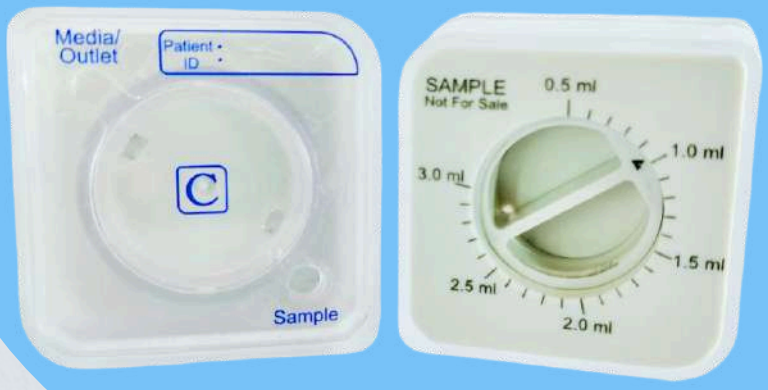
CANDORE

CANezy

SPERM SEPARATION DEVICE

CANezy is used to separate motile sperm from semen sample in the easiest way for assisted reproductive technology (ART) procedures like Intrauterine insemination (IUI), In-vitro fertilization (IVF) and Intracytoplasmic sperm injection (ICSI).

"Simplest method to separate morphologically normal, motile sperm"



How it works?

Media/ Outlet Port

Sample Port

Volume Adjustment Dial For Sample 0.5ml to 3.0ml

Take desired volume of liquified Semen Sample and inject slowly from Sample port

Take 0.7ml of Sperm Washing/ Flushing Media and Inject through Media/Outlet port slowly

Keep device horizontally & incubate it at 37°C for 15 to 30 minutes.

Aspirate and use for further ART procedure

KEY FEATURES

- Single device- variable volume (0.5ml to 3.0ml)
- Separation of motile, morphologically normal sperm with low DFI
- Close device- reduces contamination & spills
- Works with fresh & cryopreserved sample
- Volume makeup is only required when semen volume is less than 0.5ml

Single Device- Variable Volume

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FREQUENTLY ASKED QUESTIONS

What are the advantages of using CANezy compared to similar devices?
Variable volume in single device (0.5-3.0 ml), Close device- Reduces evaporation of the sperm preparation medium No risk of spillage and contamination

On what principle CANezy device works?
CANezy- Sperm separation device is a close system integrated with microporous filter membrane that allows the sperm to swim through the filter and the separated sperms are then used for ART procedures.

Is it compulsory to incubate the sample for 30 minutes?
No. The required incubation time depends on the concentration of progressively motile sperm in the semen sample. Samples with higher motility generally require a shorter incubation period.

What is the sperm concentration limit for using CANezy?
Minimum sperm concentration of 2 million/mL is required; there is no specified upper limit.

What should be the ratio of sperm sample to the media?
CANezy is the device that allows adjustment of the semen sample volume from 0.5 mL to 3 mL, while maintaining a fixed 0.7 mL volume of separation medium.

What sample type can be used for separation of sperm?
Fresh (raw) or frozen–thawed sample.

Is it necessary to wash frozen thaw sample before separation with CANezy?
Dilute the sample with media, mix gently and use for the separation. It is recommended to check the sample for progressive motile sperms.

Does CANezy works efficiently for viscous sample?
Elevated viscosity may compromise efficient sperm separation. Dilute the sample with media and try to reduce the viscosity without excessive manipulation.

What if the incubation time exceeds more than recommended time?
If the incubation period exceeds, then there are changes of getting sluggish motile sperms and non-motile sperm. When there is a delay in using the separated sperm, remove the separated sperm from the device rather than incubating for longer time and store in appropriate sterile tube.

Incubation condition requirement for CANezy device?
If incubating in HEPES and/or MOPS buffered media then incubate in non-gassed incubator and if using Bicarbonate buffered media use CO_2 incubator.

Are there any chances of getting abnormal morphology sperm after incubation?
There is a possibility that sperms having round head and small acrosome, yet retaining good motility, may pass through the filter membrane during the incubation period.

Are there any training or special skills required for using CANezy?
CANezy is simple to operate and requires no prior training or specialized skills. The only prerequisite is maintaining aseptic conditions throughout the procedure.