



INFINITY MEDIA

YOUR DAILY CULTURE NEEDS

Sperm Freezing Medium

A HEPES Buffered Cryopreservation medium containing physiologic salts, lactate, glycine, glycerol (13%) and sucrose as the cryoprotective agents (CPA), 4-4.8 mg/ml Human Serum Albumin (HSA) to protect the sperm from damage during freezing procedure and gentamycin 10mcg/ml as antibiotic for maximum sterilization.

Advantages

- Egg-yolk free.
- Easy to use.
- Contains Gentamycin HSA & Glycine.
- Provides maximum protection for spermatozoa during cryopreservation while improving sperm survival and motility parameters post thawing.

Characteristics

pH	7.20-7.80 (7.20-7.40 at product release)
Sterility test	No growth
Endotoxin	< 0.25 EU/ml
Human sperm survival assay (% motility compared with control after 4 hours exposure to test medium)	≥ 75%
Concentration human serum albumin	4-4.8 g/l
Shelf life	18 months from date of production

Product code: SF01PHC -

Certifications and Quality control per batch available upon request.

Product

Composition

Sodium chloride, potassium chloride, magnesium sulfate, calcium chloride, diphosphate Sodium hydrogen, sodium hydrogen carbonate, glycine, 4- hydroxyethylpiperazine ethane sulfonic acid, glucose, sucrose, sodium lactate

Glycerol content (13%)

Material included in the package:

1 X 25 ml Sterile Glass Vial

IFU leaflet

Material not included in the package:

- Incubator
- 2 ml cryovial
- LAF bench (ISO 5 environment)
- Microscope
- Test tubes

Instructions for Freezing

- (1) Prepare 1 ml of your semen sample in a sterile cryotube after complete liquefaction (liquefaction time 30min from ejaculation).
- (2) Warm your sperm freeze medium vial or aliquot at 37 min before use to avoid sperm shock.
- (3) Using a sterile Pasteur pipette; add 1 ml of your sperm freeze solution **(0.7 cryopreservation medium:1 semen ratio)** dropwise gently and slowly making sure to mix or stir the cryotube containing the semen sample after each drop added.
- (4) Equilibrate at room temperature for 10 minutes allowing both sample and solution to be ready for cryopreservation.
Note: you can also aspirate into a straw and seal from both sides for straw users
- (5) Allow your cryovial to stand at **-20 ° C for 5 minutes** in your liquid nitrogen tank via exposing the vial to the 1st level of liquid nitrogen vapor in your tank.
- (6) Transfer deeper in your tank levels to allow **for -125 ° C and leave for 10 minutes.**
- (7) **Transfer your cryovial into the liquid nitrogen at -196 ° C for storage.**

Adding the sperm freeze solution quickly or directly without warming onto the semen sample could lead to osmotic shock for the sperms (check for tail coiling under the microscope after adding your solution to sample before freezing)

Instructions for Thawing

- (1) Remove the selected cryovial from your nitrogen tank.
- (2) Place the cryovial in tap water for 10 minutes at 37 ° C or room temperature.
- (3) Dilute the content of the thawed cryovial in your sperm wash of choice (preferable ratio is 3 spermwash:1 thawed sample).
- (4) Apply semen processing required before use in ART (centrifugation, DGC, etc.).
- (5) Transfer pellet in fresh media for use.

Precautions and warnings:

- Handle all specimens as if capable of transmitting HIV or hepatitis. Always wear protective clothing when handling specimens.
- Always work under strict hygienic conditions (ISO 5 environment, e.g., LAF-bench) to avoid possible contamination.
- Do not use the product if it becomes discolored, cloudy, or shows any evidence of microbial contamination.
- Do not use the product if seal of the container is opened or defective when the product is delivered.
- The concentration of some of the salts such as calcium and magnesium could lead to the occasional formation of precipitate at 2-8°C storage temperature. It is usually reduced with warming at 37°C or above and such phenomenon does not compromise function or safety of the product.

Storage instructions and stability:

- The shelf life is 18 months from time of manufacture.
- Store between 2-8°C.
- Do not freeze before use.
- Keep away from (sun) light.
- The product can be used safely up to 7 days after opening the rubber, when sterile conditions are maintained, and the products are stored at 2-8°C.
- Do not use after expiry date.