



0217-03

Sperm Freezing Medium

Product No.

1067

Symbols:

Catalogue Number

REF

Batch Code

LOT

Sterilized using aseptic processing
techniques (filtration)

STERILE A

Keep away from sunlight



Temperature limitation
from 2°C to 8°C



Use by



Consult operating instructions



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MediCult

Innovation with Care

Sperm Freezing Medium

Intended use

Sperm Freezing Medium is for the cryopreservation of human spermatozoa and tissue from testicular biopsies.

Composition

- Synthetic Serum Replacement (SSR®) (USA:ART Supplement)
- Human serum albumin (HSA)
- Glycerol
- Sucrose
- HEPES
- Penicillin 50.000 IU/l
- Streptomycin 50 mg/l

Quality control testing

Sterility tested

Endotoxin tested ≤ 0.1 EU/ml (USP, Ph.Eur.)

Not Mouse Embryo Assay (MEA) tested

Sperm Survival tested

Note: The results of each batch are stated on a Certificate of Analysis, which is available upon request.

Storage instructions and stability

Store in original container at 2-8°C, protected from light.

Do not freeze prior to use.

Whenever the product has been warmed, it should not be refrigerated again.

In order to maintain the product in optimal condition

we recommend that it should be used within 7 days of opening.

Minimum shelf life is 12 weeks from the day of shipment out of Denmark.

Precautions and warnings

Do not use the product if:

Product packaging appears damaged or if the seal is broken.

Expiry date has been exceeded.

The product contains small amounts of potentially hazardous human serum albumin, which has been obtained from a U.S. licensed source. Its origins from larger pools of screened healthy donors, tested negative for HBsAg, Anti-HCV, Anti-HIV1/HIV2. Levels of ALT (GPT) in the plasma are determined and donations are rejected if the values found are above the upper limit of the specifications. Donors of the source material have been screened for CJD.

Caution: US federal law restricts this device to sale by or on the order of a physician (Rx only).

Instructions for use

Freezing:

1. After liquefaction, measure the total volume of the ejaculate and carry out semen analysis as required.
2. Ensure that both the semen sample and the Sperm Freezing Medium are at room temperature and dilute the semen 1:1 (v/v) with the Sperm Freezing Medium. The medium should be added dropwise to the semen and the solution carefully mixed after each addition.
3. The mixture is left at room temperature for a minimum of ten minutes.
4. Load the diluted semen into straws or cryo-tubes and seal according to the manufacturer's recommendations.

NOTE! It is very important that you leave some air space in the lower part of the straw for sealing as well as to allow expansion of the solution during freezing.

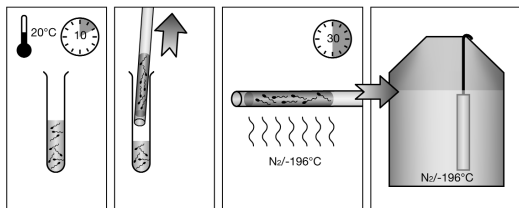
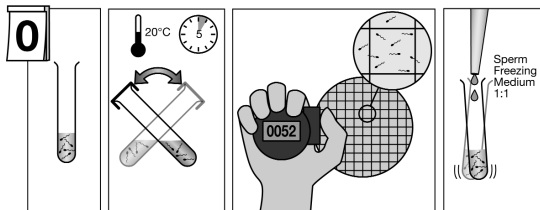
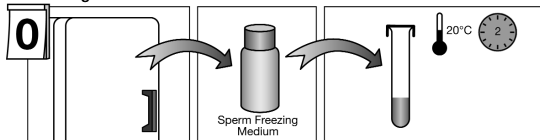
5. Suspend the straws horizontally for 30 minutes, just above the surface of the liquid nitrogen. Cryo-tubes should be attached to a cane and then suspended above the surface of the liquid nitrogen for the same period of time. Alternatively, run the sperm cryopreservation programme available for your freezing machine.
6. Finally, transfer the straws or cryo-tubes into liquid nitrogen and store at -196°C .

Thawing:

1. Remove straws or cryo-tubes from liquid nitrogen and place them in cold running water for 5 minutes.
2. Open the straws or cryo-tubes according to the manufacturer's instructions and remove the thawed semen.
3. Dilute the semen with Sperm Preparation Medium (1:1) to reduce the toxic effect of glycerol.
4. Quickly evaluate the survival of the sperm. If necessary, thaw additional straws for preparation.
5. Immediately prepare sperm by the density gradient method using SupraSperm[®] (Product 1091/1092/1097) or the swim-up procedure using Sperm Preparation Medium (Product 1069/1070). Please refer to the specific protocol recommended for the use of each product.

Note: Concentrating the sperm prior to freezing can enhance post-thaw recovery of semen samples with low sperm counts. A final concentration of minimum 10 million/ml is recommended.

Freezing



Thawing

