

## PRODUCT CATALOGUE

# Sperm Freeze



- Medium for sperm cryopreservation.
- SF1 contains Egg Yolk as a cryoprotectant agent.
- SF3 contains rec-Human Albumin, long-chain alcohol<sup>(1)</sup>, and lipids<sup>(2)</sup> as cryoprotectant agents. Survival rate and motility rate with it are comparable to that of the conventional SF1 with Egg Yolk.
- Available in 0.5mL dispensed kits to simplify your procedure by aliquoting sample sperm only.
- The use of Sperm Freeze Board facilitates Sperm Freeze protocol.

(1) (2) Patented

| REF   | Code     | Details                                     | Contents |
|-------|----------|---|----------|
| 92209 | SF1-10   | Sperm Freeze with Egg Yolk                  | 10mL     |
| 92208 | SF1-05×5 |   | 0.5mL×5  |
| 92211 | SF3-10   | Sperm Freeze with Recombinant Human Albumin | 10mL     |
| 92221 | SF3-05×5 |   | 0.5mL×5  |

## COMPONENTS

Calcium DL-Lactate / Gentamicin / Glycerol / Glycine /  
Lauryl alcohol / Magnesium sulfate / Potassium chloride /  
Sodium bicarbonate / Sodium chloride / Sodium phosphate /  
Tocopherol / Trehalose / Tris /  
SF1: Egg Yolk / SF3: Recombinant Human Albumin

## QUALITY CONTROL

pH 7.2-7.6 / Osmolality / Endotoxin <0.25EU/mL /  
Sperm Survival ≥80% / Sperm Cryosurvival ≥0.5 / Sterility Test  
Storage: ≤-20°C  
Shelf Life: 18 months

## ACCESSORIES

| REF     | Code                   | Details                                    | Contents     |
|---------|------------------------|--|--------------|
| 1505001 | Tube-Cryo1.0(innercap) | 1.0mL Cryotube                             | 500pcs       |
| 84021   | Sperm Freeze Board     | Float with cryotube holders                | 2pcs/box     |
| 84030   | Sperm Freeze Board Set | Styrofoam container and Sperm Freeze Board | 1pc each/box |

Specification may change without pre-notice for purpose of product improvement.

## Kitazato Corporation

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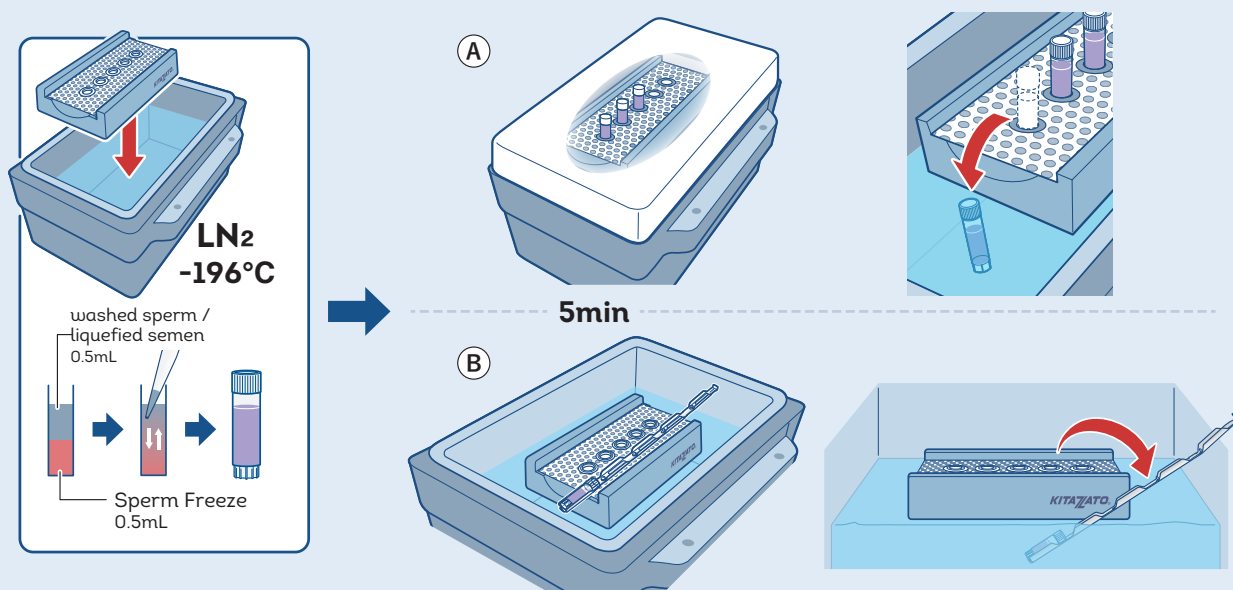
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# PROTOCOL

## Freezing

- 1 Bring Sperm Freeze to room temperature (20-25°C) before use.
- 2 Add liquid nitrogen to a container large enough to hold the Sperm Freeze Board, filling it to a height of about 5 cm from the bottom.  
  
Note: The use of a polystyrene box with a certain height keeps stable conditions during the sperm freeze by reducing influence from the outside air.
- 3 Mark cryotubes with patient ID.  
Prepare 0.5mL of washed sperm / liquefied semen and equal volume of Sperm Freeze in the cryotubes, and mix gently to avoid bubble formation.  
\*Do not overtighten the tube cap.
- 4 **(A)** Set the cryotubes on the Sperm Freeze Board.  
Cover the polystyrene box with a lid to reduce the influence of outside air.  
  
**(B)** When attaching cryotubes to a cane and laying them on the Sperm Freeze Board, reduce the amount of liquid nitrogen so that the freezing solution does not contact with the lid of the cryotube.
- 5 After 5 minutes, remove the cryotubes from the Sperm Freeze Board and place them into liquid nitrogen. Then transfer the cryotubes to a liquid nitrogen tank for storage.



## Thawing

- 1 Remove the cryotubes from the liquid nitrogen tank and place them at room temperature for 1 minute, then warm them in a water bath at 37°C for 5-10 minutes to thaw.
- 2 Mix the sperm sample slowly. Perform sperm analysis test and follow your laboratory procedures for the subsequent sperm preparation.

## RELATED PRODUCTS

○ Sperm Freeze Board (REF : 84030)