Optimised solution for protecting human sperm from damaging effects of freezing and thawing, developed free from human serum albumin. To reduce intracellular water and injury caused by ice crystal formation, Sperm CryoProtec™ contains osmotically active ingredients.
**Protection**

**Sperm CryoProtec™** is optimised for freezing both gradient prepared sperm and for unprocessed ejaculates.

The cryoprotectant in SpermCryoProtec™ is glycerol, the proportion being reduced as far as possible to minimize toxicity to sperm, while still providing cryoprotection. Moreover, a high concentration of glucose is present as an osmotic agent to reduce intracellular water; thus diminishing damage due to ice-crystal formation.

Sperm CryoProtec™ contains no Human Serum Albumin.

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**Technical Information**

**Sperm CryoProtec™** is a sterile, HEPES-buffered salt solution, containing glycerol.

**Performance characteristics**

- pH: 7.5 - 8.5
- Endotoxin levels (EU/mL): <1.0
- Recovery rate of the original motile spermatozoa after freezing and thawing: >50%
- Contents are tested by human sperm survival only
- Bottles and stoppers are M.E.A tested

**Components**

- Sodium chloride
- Calcium lactate
- Potassium chloride
- EDTA
- Magnesium sulphate
- HEPES
- Potassium dihydrogen phosphate
- Glucose
- Sodium bicarbonate
- Glycerol
- Sodium pyruvate
- Purified water

**Storage conditions and shelf life**

Store unopened at ambient temperature for up to one year from production date. After opening under sterile conditions, store sealed at 2 to 8°C.

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**Ordering Information**

- **Volume**: 2 x 20 mL
- **Article No.**: SCP-020

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**www.nidacon.com**

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