

Sperm Cryopreservation Media



Media containing TEST-yolk buffer (TYB) has been shown to be effective in preserving sperm when refrigerated for short intervals of time, and for long term frozen storage with the addition of glycerol.

Sperm Maintenance Medium with glycerol, but without TEST-yolk buffer, is also designed for procedures involving the cryopreservation and storage of human sperm used for IUI, IVF and other assisted reproductive procedures.

Features and Benefits

- Formulated with Irvine Scientific's WFI Grade Water.
- Chemicals used in Irvine Scientific's reproductive products meet USP and ACS standards, where available.
- All are membrane filtered and aseptically processed according to manufacturing procedures which have been validated to meet a sterility assurance level (SAL) of 10^{-3} .

Refrigeration Medium - TYB with Gentamicin

- for short term storage of human sperm at 2° to 5°C.
- 20% egg yolk - from USDA certified SPF (Virus Free) laying flocks, heat inactivated at 56°C for 30 minutes.
 - 10 µg/mL Gentamicin Sulfate.
 - Available in 20 x 5 mL configuration.
 - Store below -10°C.
 - Shelf life: 2 years from date of manufacture.

Freezing Medium - TYB with Glycerol & Gentamicin

- for cryoprotection when freezing human sperm.
- 20% egg yolk - from USDA certified SPF (Virus Free) laying flocks, heat inactivated at 56°C for 30 minutes.
 - 12% v/v Glycerol.
 - 10 µg/mL Gentamicin Sulfate.
 - Available in 20 x 5 mL and 100 mL configurations.
 - Store below -10°C.
 - Shelf life: 2 years from date of manufacture.

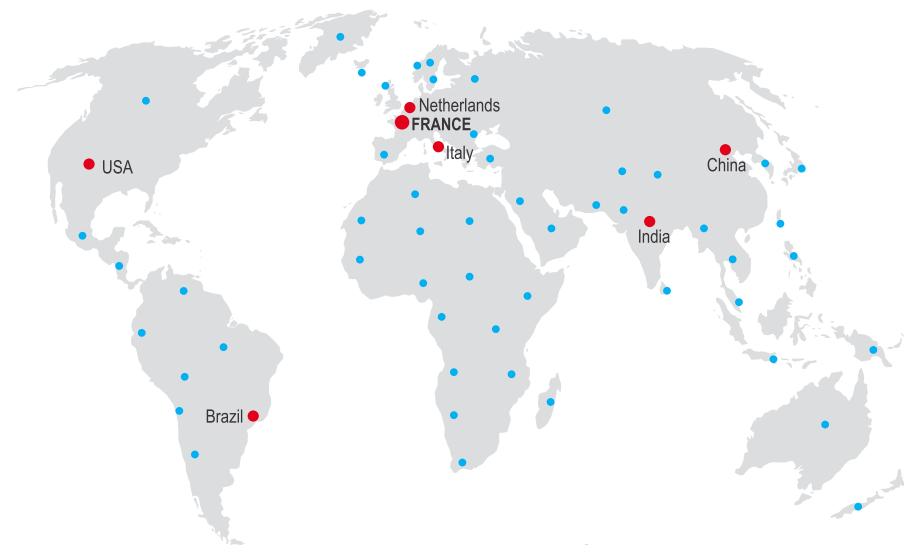
Sperm Maintenance Medium

- for cryoprotection when freezing human sperm.
- 28% v/v Glycerol without egg yolk.
 - Available in 100 mL configuration.
 - without antibiotics.
 - Store below -10°C.
 - 20 mg/ml (2%) Human Serum Albumin.
 - Shelf life: 2 years from date of manufacture.

90128 - Freezing Media TYB with Glycerol & Gentamicin
 90129 - Refrigeration Media TYB with Gentamicin
 99176 - Sperm Maintenance Media



www.cryobiosystem.com



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SATISFACTION 996854637, 9312211343



IrvineScientific
 Grow With Us™

Sperm Washing Media



ASSISTED REPRODUCTIVE TECHNOLOGY

Each lot of Sperm Washing Media receives a complete laboratory evaluation including mouse embryo testing, endotoxin level, pH, osmolality and sterility testing. All results are provided in a lot-specific Certificate of Analysis.

Irvine Scientific's commitment to excellence is demonstrated by our products' performance and adherence to the industry's highest quality standards. We were one of the first companies in the USA to receive ISO 13485:2003 quality systems certification, the new rigorous international quality assurance standard designed specifically for Medical Devices.

Always refer to product insert for complete instructions for use.

For more information on all of our Reproductive Products, Call: +91 (0124) 4770707 or write: infocbs@imvindia.com

9983 - 100 mL Sperm Washing Media
9983 - 12x12 mL Sperm Washing Media
9984 - 100 mL Modified Sperm Washing
9984 - 12x12 mL Modified Sperm Washing

Sperm Washing Media are intended for washing sperm prior to IUI, IVF and other human ART procedures.

Features and Benefits

- Formulated with Irvine Scientific's WFI Grade Water.
- Chemicals used in Irvine Scientific's reproductive products meet USP and ACS standards, where available.
- All are membrane filtered and aseptically processed according to manufacturing procedures which have been validated to meet a sterility assurance level (SAL) of 10^{-3} .

Sperm Washing Medium

for in vitro sperm washing procedures which do not require CO₂ incubation.

- Based on Modified HTF Medium.
- 21 mM HEPES buffer.
- 4 mM Sodium Bicarbonate.
- 5 mg/mL (0.5%) Human Serum Albumin.
- Without antibiotics.
- Mouse embryo tested.
- Shelf life: 2 years from date of manufacture.
- Store at 2-8 °C.
- Available in 12 x12 mL & 100 mL configurations.

Modified Sperm Washing Medium

for in vitro sperm washing procedures which do not require CO₂ incubation.

- Based on Modified HTF Medium.
- 21 mM HEPES buffer.
- 4 mM Sodium Bicarbonate.
- 5 mg/mL (0.5%) Bovine Serum Albumin.
- Without antibiotics.
- Mouse embryo tested.
- Shelf life: 2 years from date of manufacture.
- Store at 2-8 °C.
- Available in 12 x12 mL & 100 mL configurations.

Modified Ham's F-10 with Albumin

for in vitro sperm washing procedures which do not require CO₂ incubation.

- 21 mM HEPES buffer.
- 4 mM Sodium Bicarbonate.
- 1 mM Calcium Lactate.
- 0.5 mM Magnesium Sulfate.
- 5 mg/mL (0.5%) Human Serum Albumin.
- Without antibiotics.
- Mouse embryo tested.
- Shelf life: 2 years from date of manufacture.
- Store at 2-8 °C.
- Available in 12 x12 mL & 100 mL configurations.

ISolate[®] Sperm Separation Medium



ASSISTED REPRODUCTIVE TECHNOLOGY

Each lot of ISolate Sperm Separation Medium receives a complete laboratory evaluation including mouse embryo testing, endotoxin level, pH, osmolality and sterility testing. All results are provided in a lot-specific Certificate of Analysis.

Irvine Scientific's commitment to excellence is demonstrated by our products' performance and adherence to the industry's highest quality standards. We were one of the first companies in the USA to receive ISO 13485:2003 quality systems certification, the new rigorous international quality assurance standard designed specifically for Medical Devices.

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99264 - 12 x 6 mL
99264 - 2 x 100 mL
99264 - 2 x 50 mL
99275 - 100 mL (90%)
99306 - 100 mL (100%)

ISolate[®] is a superior medium for separation of the motile fraction of sperm from its surrounding seminal plasma by density centrifugation.

As a two-layer gradient system, ISolate effectively removes cellular contaminants - dead sperm, white cells, and miscellaneous debris - yielding a sample that contains predominately motile sperm.

ISolate is a sterile, colloidal suspension of silica particles stabilized with covalently bound hydrophilic silane in a HEPES - buffered HTF. This buffered system maintains a physiological pH at ambient conditions (do not use this product in a CO₂ incubator unless tightly capped).

A fresh or cryopreserved semen sample is overlaid on 1.5 to 2.0 mL aliquots of the two-layer gradient system in a conical centrifuge tube. The prep tube is then centrifuged at a low speed, ~300 xg for 20 minutes. This action causes separation of the seminal components. Dead sperm and debris are found in the upper portion of the tube while a fraction of highly motile, morphologically normal cells will form a pellet in the bottom.

Irvine Scientific has conducted extensive performance and safety testing on ISolate. These studies indicate that it is comparable or superior to the standard separation techniques utilizing Percoll[®] and superior in performance to standard swim-up procedures.

ISolate

50% upper layer and 90% lower layer.

- Ready-to-use, no dilutions necessary.
- Three available configurations to choose from:
 - 12 x 6 mL vials ~ 18 Isolations
 - 2 x 50 mL vials ~ 25 Isolations
 - 2 x 100 mL vials ~ 50 Isolations

ISolate Stock Solution

90% density gradient medium "Isotonic" stock solution allows end users to make their own working dilutions where two layer isolations are preferred.

- Available in 100 mL bottles.

ISolate Concentrate

- 100% colloidal silica concentrate.
- Available in 100 mL bottles.

Larger volume custom fill sizes available.

Features and Benefits

- Rabbit pyrogen tested.
- Sperm survival assay tested.
- Certificate of Analysis provided for each lot manufactured.
- Shelf-life is two years when stored at 2° to 8°C.