

CONCEPTION TECHNOLOGIES
ENHANCE SPERM WASHING MEDIUM
(with Gentamicin)

Catalog # EWG-500 (500mL)

Catalog # EWG-100 (100mL)

Catalog # EG-12 (12mL)

FOR SPERM WASHING PROCEDURES

INTENDED USE

Enhance Sperm Washing Medium with Gentamicin was specifically developed for *in vitro* procedures involving sperm washing and incubation, (Seminars Reprod Endocrinol 5:23, 1987). This medium is a modification of HEPES-buffered Human Tubal Fluid (HTF) that was first described by Quinn and coworkers (Fertil Steril 41:202, 1984; 44:493, 1985).

COMPONENTS

Sodium Chloride	Sodium Lactate (DL)	
Potassium Chloride	Glutamine	
Magnesium Sulfate	EDTA	
Potassium Phosphate, Anhydrous	Gentamicin	
Calcium Chloride, Dihydrate	Phenol Red	3mg/mL
Sodium Bicarbonate	Human Albumin (dialyzed)	5mg/mL
HEPES	Osmolarity	280 ± 8 mOsm/kg H ₂ O
Glucose	pH	7.35 ± 0.1
Sodium Pyruvate		

DIRECTIONS FOR USE

Information on sperm processing procedures for intrauterine insemination (IUI) can be obtained by contacting Customer Service and requesting the Technical Bulletin titled "SPERM WASHING".

STORAGE INSTRUCTIONS AND STABILITY

Store unopened containers refrigerated at 2° to 8°C. Warm to ambient or incubator (37°C) temperature prior to use. Do not freeze or expose to temperatures greater than 39°C. The product is stable until the expiration date shown on the box and bottle labels.

BUFFER SYSTEM

Sperm Washing Medium uses a buffering system composed of a 21 mM HEPES (N-2-Hydroxyethylpiperazine-N'-2-ethanesulfonic acid) and a 4 mM Sodium bicarbonate combination. This buffering system provides optimum pH maintenance over the physiologic range (7.2 to 7.4) and does not require the use of a CO₂ incubator. Washed sperm suspended in HEPES-buffered medium have been reported to produce a significantly higher pregnancy rate in IUI than when a bicarbonate-buffered medium was used (Fertil Steril 56:540, 1991).

PROTEIN SUPPLEMENTATION

Sperm Washing Medium contains 5 mg/mL human albumin. All donors used in its manufacture were individually tested and found to be non-reactive for Hepatitis B Surface Antigen (HBsAg) and antibodies to Hepatitis C (HCV) and Human Immunodeficiency Virus (HIV) by approved testing methods. Experimental evidence (Transfusion 26:210, 1986) has indicated that the cold ethanol fractionation process (Cohn) used in human albumin manufacture effectively inactivates the HIV virus (formerly termed human lymphotropic virus, type III HTLV-III).

PRECAUTIONS AND WARNINGS

Do not use any vial of medium showing evidence of particulate matter or cloudiness, or not rose colored. Sperm Washing Medium should be tightly capped when used in a CO₂ incubator to avoid pH levels of 7.0 or less. To avoid problems with contamination, practice aseptic technique and discard minimal amounts of excess medium remaining in the bottle.

RELATED PRODUCTS

Conception Technologies has a full line of products for the Reproductive Medical Specialist. Please call or write for specific information or to receive a copy of our current price list. For technical questions, or to reach our Customer Service Department:



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