

**CONCEPTION TECHNOLOGIES
ENHANCE HTF MEDIUM WITH HEPES**

Catalog # EHH-500 (500mL)

Catalog # EHH-100 (100mL)

FOR *IN VITRO* FERTILIZATION PROCEDURES

INTENDED USE

Enhance HTF Medium with HEPES was developed for *in vitro* procedures involving the manipulation of gametes and embryos not requiring the use of a CO₂ incubator. This medium is a modification of the original formulation first described by Quinn and coworkers (Fertil Steril 41:202, 1984; 44:493, 1985). Modifications to the original formulation include low-phosphate and the addition of EDTA as an antioxidant and glutamine as an auxiliary energy and fixed-nitrogen source.

COMPONENTS

Sodium Chloride	Glucose
Potassium Chloride	Sodium Lactate (DL)
Magnesium Sulfate	Alanyl-Glutamine
Potassium Phosphate	Sodium Pyruvate
Calcium Chloride	EDTA
Sodium Bicarbonate	Gentamicin
HEPES	Phenol Red

STORAGE INSTRUCTIONS AND STABILITY

Store unopened containers refrigerated at 2° to 8°C. Warm to ambient or incubator (37°C) temperature prior to use. HTF Medium with HEPES should be tightly capped when used in a CO₂ incubator to avoid pH levels of 7.0 or less. 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.

DIRECTIONS FOR USE

This is the preferred medium for procedures done in an atmosphere of air not involving the use of a CO₂ incubator. Such procedures include oocyte recovery, gamete washing, micromanipulation, embryo transfer and cryopreservation.

BUFFER SYSTEM

Enhance HTF medium with HEPES 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.

PRECAUTIONS AND WARNINGS

Do not use any vial of medium showing evidence of particulate matter or cloudiness. To avoid problems with contamination, practice aseptic technique and discard minimal amounts of excess medium remaining in the bottle.

RELATED PRODUCTS

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**CONCEPTION
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858.824.0888/888.995.8081
6835 Flanders Drive, Ste 500
San Diego, CA 92121
www.conceptiontechnologies.com