

CONCEPTION TECHNOLOGIES
ENHANCE DAY 1 HTF MEDIUM
Catalog # ED1-100 (100mL)
FOR *IN VITRO* FERTILIZATION PROCEDURES

INTENDED USE

Enhance Day 1 HTF Medium was developed for *in vitro* procedures involving the culture of early cleavage stage mammalian embryos (J Assisted Reprod Genet 12: 97, 1995). This medium is a modification of Human Tubal Fluid (HTF) that was first described by Quinn and coworkers (Fertil Steril 41:202, 1984; 44:493, 1985). It has been formulated to be glucose and phosphate free, with the addition of EDTA as an antioxidant and glutamine as an auxiliary energy and fixed-nitrogen source.

COMPONENTS

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

STORAGE INSTRUCTIONS AND STABILITY

Store unopened containers refrigerated at 2° to 8°C. Warm to incubator (37°C) temperature and equilibrate with desired atmosphere containing 5-6% CO₂ prior to use. Do not freeze or expose to temperatures greater than 39°C. It is advisable to regas the medium with 5% CO₂ before placing opened bottles back in the refrigerator. The product is stable until the expiration date shown on the box and bottle labels.

DIRECTIONS FOR USE

This is the preferred medium for culture of embryos from Day 1 through the Morula stage, Day 3 or 4. It can also be used for fertilization but sperm numbers may need to be increased to compensate for the omission of glucose. It is recommended that Enhance HTF medium (Catalog # EH-100) be used for fertilization and that Enhance D3 HTF medium (Catalog # ED3-100) for day 3 transfers or Enhance Day 5 HTF medium (Catalog # ED5-100) be used for Blastocyst culture. The media should be supplemented with an exogenous protein source such as Human Serum Albumin (Catalog # EHSA).

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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