

CONCEPTION TECHNOLOGIES ENHANCE HUMAN SERUM ALBUMIN

Catalog # EHSA (100mg/mL)
FOR *IN VITRO* FERTILIZATION PROCEDURES

Human Serum Albumin (HSA) is the protein of choice for use as a tissue culture supplement in those applications requiring protein supplementation. Protein in the form of albumin, which makes up the bulk of the protein present in blood serum and reproductive tract fluid, is added to tissue culture media because it is thought to maintain the stability of cell membranes and chelate trace amounts of toxic components present in the culture water, media components, and containers and culture dishes. Protein in the form of patient serum or albumin has been used extensively in media for IVF, GIFT, ICSI, embryo culture, embryo transfer, cryopreservation and sperm washing for IUI.

DESCRIPTION

The product contains 100 mg/mL total protein (weight/volume) in saline solution. Each lot of HSA is tested for pH (7.4 ± 0.2), osmolarity (280 ± 10 mOsm/Kg water), sterility (no detectable contamination), and ability to support mouse embryo development (>80% mouse zygote development to blastocysts). 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-1, HIV-2) by approved testing methods. The Human Albumin used in the preparation of this product has been heated at 60°C for ten hours.

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. Shelf life is one year when stored at 2° to 8°C. The expiration date is shown on the box and bottle labels.

SUGGESTED DIRECTIONS FOR USE

For sperm preparation and embryo culture: use at 5 mg/mL

For 10 mL of medium, add 0.5 mL of HSA solution to 9.5 mL of bicarbonate-buffered medium (eg Enhance HTF or Enhance Day 1 HTF, Enhance Day 3 HTF, or Enhance Day 5 HTF catalog # EH, ED1, ED3 or ED5. Note: for washed sperm samples for IUI, use Enhance Sperm Washing Medium with or without Gentamicin (catalog # EW or EWG), which already contain 5 mg/mL HSA.

For embryo transfer: use at 30 mg/mL

For 10 mL of medium, add 3.0 mL of HSA solution to 7.0 mL of Enhance HTF with HEPES (Cat. # EHH).

For embryo cryopreservation: use at 10 mg/mL

For 10 mL of medium, add 1.0 mL of HSA solution to 9.0 mL of Enhance HTF with HEPES (Cat. # EHH).

For micromanipulation (ICSI and Assisted Hatching): use at 5 mg/mL.

For 10 mL of medium, add 0.5 mL of HSA solution to 9.5 mL of Enhance HTF with HEPES (Cat. # EHH).

Laboratories may establish through appropriate testing that higher or lower concentrations than those suggested above are optimal for specific applications.

PRECAUTIONS AND WARNINGS

Do not use any vial of medium showing evidence of particulate matter. To avoid problems with contamination, aseptic technique should be used to remove aliquots of product from the vial. Do not mix components of one vial with another. Discard minimal amounts of excess medium remaining in the vial.

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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