



Quinn's Advantage® Medium with HEPES

For laboratory procedures only; other uses must be qualified by the end user.

Product Description	REF Number	Unit Size
Quinn's Advantage® Medium w/HEPES	ART-1023	100 mL
Quinn's Advantage® Medium w/HEPES	ART-1024	500 mL

INTENDED USE

Quinn's Advantage® Medium with HEPES was developed for in vitro procedures involving manipulation of gametes and embryos not requiring the use of a CO₂ incubator. This medium is a modification of Human Tubal Fluid (HTF) that was first described by Quinn and colleagues (*Fertil Steril.* 1984;41:202, 1985;44:493.). Modifications to the original formulation include low phosphate and the addition of citrate, EDTA, selected nonessential amino acids and taurine, alanyl-glutamine as a stable source of glutamine, increased levels of magnesium, and the presence of lactate in the form of calcium lactate.

COMPONENTS

Sodium chloride
 Potassium chloride
 Magnesium sulfate
 Potassium phosphate
 Calcium lactate
 Sodium bicarbonate
 HEPES
 Glucose
 Sodium pyruvate
 Alanyl-glutamine
 Taurine
 L-Asparagine
 L-Aspartic acid
 Glycine
 L-Proline
 L-Serine
 Sodium citrate
 EDTA
 Gentamicin
 Phenol red

STORAGE INSTRUCTIONS AND STABILITY

Store unopened containers refrigerated at 2°C to 8°C. Warm to incubator (37°C) temperature prior to use. Quinn's Advantage® Medium with HEPES should be tightly capped when used in a CO₂ incubator to avoid downward drifts of pH. Do not freeze or expose to temperatures greater than 39°C. The product is stable until the expiration date shown on the label or within

30 days of the Date of First Use provided that proper aseptic procedures have been observed by the user:

- Remove desired volume of product using aseptic procedures.
- Once product has been removed from the original container, reseal the container to ensure a tight seal. Write the date the product was first opened on the product label. Do not use product longer than 30 days after opening the container.
- Once removed, do not return any volume of product to the original container.
- Once the product has been opened, store the sealed container at 2°C to 8°C.
- Do not use if the product becomes discolored, cloudy, turbid, or shows any evidence of microbial contamination.

One-cell MEA tested and passed with 80% or greater blastocyst. USP Endotoxin gel clot tested and passed with <1 EU/mL.

A Certificate of Analysis is available for this product.

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. The medium should be supplemented with an exogenous protein source such as Human Serum Albumin (REF #3001/3003) or Serum Protein Substitute (REF #3010/3011).

Each laboratory should make its own determination of which medium to use for each particular procedure.

Information on specific aspects of IVF, embryo culture, and cryopreservation is available in our Product Catalog (REF #80572).

PRECAUTIONS AND WARNINGS

Do not use medium that shows evidence of particulate matter, cloudiness, or is not rose colored.

To avoid problems with contamination, practice aseptic technique and discard minimal amounts of excess medium remaining in the bottle.

Caution: Federal law restricts this device to sale by or on the order of a physician (or properly licensed practitioner).

RELATED PRODUCTS

SAGE Assisted Reproduction Products™ has a full line of products for the Reproductive Medicine Specialist. Please call or write for specific information or to receive a copy of our current catalog. For technical questions, or to reach our Customer Service Department, call the SAGE Support Line at the number below.

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Call the **SAGE SUPPORT LINE** at:
1-800-243-2974 or 1-203-601-5200



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