



Quinn's Advantage® Protein Plus Blastocyst Medium

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

Product Description	REF Number	Unit Size
Quinn's Advantage® Protein Plus Blastocyst Medium	ART-1529	20 mL

INTENDED USE

Quinn's Advantage® Protein Plus Blastocyst Medium was developed for in vitro procedures involving the culture of fertilized human embryos from Day 3 to Day 5/6. 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 the addition of selected nonessential and essential amino acids, taurine, sodium citrate, MEM vitamins, insulin and the presence of lactate in the form of calcium lactate.

COMPONENTS

Sodium chloride
Potassium chloride
Potassium phosphate
Magnesium sulfate
Calcium lactate
Sodium bicarbonate
Glucose

Sodium pyruvate
Taurine
Sodium citrate
Alanine-glutamine
L-Asparagine
L-Aspartic acid
Glycine
L-Proline
L-Serine
L-Arginine
L-Cystine
L-Histidine
L-Isoleucine
L-Leucine
L-Lysine
L-Methionine
L-Phenylalanine
L-Threonine
L-Tryptophan
L-Tyrosine
L-Valine
D-Calcium pantothenate
Pyridoxine
Riboflavin
Thiamine
Insulin
Gentamicin
Phenol red
Serum Protein Substitute

STORAGE INSTRUCTIONS AND STABILITY

Store unopened containers refrigerated at 2° C to 8° C. Warm to incubator (37° C) temperature and equilibrate with desired atmosphere containing 5% to 6% CO₂ prior to use. Do not freeze or expose to temperatures greater than 39° C. It is advisable to regass the medium with 5% CO₂ before replacing opened bottles back in the refrigerator.

In order to ensure optimal performance, we strongly recommend measuring the pH of the medium under laboratory working conditions and adjusting the level of CO₂ used to attain the desired pH range for optimal embryo development. The desired pH range for Quinn's Advantage® Protein Plus Blastocyst Medium is 7.3 ± 0.1. Reports from some users recommend using an atmosphere containing approximately 6% CO₂ to attain a pH close to 7.25.

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, regass the container and reseal it 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.

E. 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 upon request.

DIRECTIONS FOR USE

This is the preferred medium for in vitro procedures involving the culture of fertilized human embryos from Day 3 to Day 5/6. We also recommend the use of Quinn's Advantage® Protein Plus Fertilization (HTF) Medium (REF #1520) for fertilization of oocytes, and Quinn's Advantage® Protein Plus Cleavage Medium (REF #1526) for culture from Day 1 to Day 3. The media require no protein supplement.

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.

This product contains albumin, a derivative of human blood. All donors used in its manufacture were individually tested and found to be nonreactive for hepatitis B surface antigen (HB_sAg) and antibodies to hepatitis C virus (HCV) and human immunodeficiency virus (HIV) by approved testing methods. Donors of the source material have been screened for Creutzfeldt-Jakob disease (CJD). Based on effective donor screening and product manufacturing processes, it carries an extremely remote risk for transmission of viral diseases. A theoretical risk for transmission of CJD is also considered extremely remote. No cases of transmission of viral diseases or CJD have ever been identified for albumin.

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.

Quinn's Advantage® Protein Plus is a registered trademark of CooperSurgical, Inc.

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



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