

## Quinn's Advantage™ Protein Plus Blastocyst Medium

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

Product Description	Catalogue Code	Unit Size
Quinn's Advantage™ Protein Plus Blastocyst Medium	RM-ART-1529	1 x 20mL

### INTENDED USE

Quinn's Advantage™ Protein Plus Blastocyst Medium was developed for in vitro procedures involving the culture of 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, glutathione, MEM vitamins and the presence of lactate in the form of calcium lactate.

### COMPONENTS

Sodium chloride	Potassium chloride	Potassium phosphate
Magnesium sulphate	Calcium lactate	Sodium bicarbonate
Glucose	Sodium pyruvate	Taurine
Glutathione	Alanyl-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	Choline chloride
Folic acid	i-Inositol	Nicotinamide
Pyridoxine	Riboflavin	Thiamine
Gentamicin	Phenol Red	Serum Protein Substitute

### STORAGE INSTRUCTIONS AND STABILITY

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

In order to ensure optimal performance, SAGE Media™ strongly recommends measuring the pH of the medium under laboratory working conditions and adjusting the level of CO<sub>2</sub> used to attain the desired pH range for optimal embryo development. The desired pH range for Quinn's Advantage™ Blastocyst Medium is 7.3 ± 0.1. 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:

- A. Remove desired volume of product using aseptic procedures
- B. 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.
- C. Once removed, do not return any volume of product to the original container.
- D. Once the product has been opened, store the sealed container at 2-8°C
- E. Do not use if the product becomes discoloured, 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 in vitro procedures involving the culture of human embryos from Day 3 to Day 5/6. We also recommend the use of Quinn's Advantage™ Protein Plus Fertilization (HTF) Medium (RM-ART-1520) for fertilization of oocytes, and Quinn's Advantage™ Protein Plus Cleavage Medium (RM-ART-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 and embryo culture is available in our product catalogue.



---

**PRECAUTIONS AND WARNINGS**

---

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

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<sub>s</sub>Ag) 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 Creutzfeld 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

---

**RELATED PRODUCTS**

---

SAGE Assisted Reproduction Products™ has a full line of products for the Reproductive Medicine Specialist. Please call or write for specific information, technical questions, customer support, or to receive a copy of our current price list.

Your UK distributor for SAGE products is:

**Rochford Medical Ltd, PO Box 1311, Oxford OX4 4WE Tel: 01865 772420 Fax: 01865 715598**

*Patrick Quinn, PhD, HCLD, SAGE Assisted Reproduction Products™.*