Fertilization Solutions

THE ART OF ONE™ SYSTEM

Fertilization Medium

Constituents

Calcium lactate
Calcium pantothenate
D-glucose
EDTA
Gentamicin
Glutamine - stabilized
Glycine
Human Serum Albumin*
L-Alanine
L-Asparagine
L-Aspartic Acid
L-Glutamic acid
L-Proline
L-Serine
L-taurine
Magnesium chloride
Magnesium sulphate
Potassium chloride
Potassium phosphate
Purified water
Sodium chloride
Sodium bicarbonate
Sodium pyruvate

* Pharmaceutical grade, screened for HIV, hepatitis B, hepatitis C, syphilis and other pathogens.

Release Specifications

pH (in air)**: 7.5 – 7.8
Osmolarity: 285 – 295 mOsm/kg
MEA: ≥ 80%
Endotoxins: < 0.4 EU/mL
Shelf life: 8 weeks from date of manufacture.
Sterile: Filtered (SAL 10^{-3})

** pH equlibrated with 6% CO_2: 7.3 – 7.5

Usage

This medium has been designed to provide a suitable environment for both sperm and oocytes during the fertilization process. After the oocyte cumulus complex has been washed, it is placed in Fertilization Medium where insemination occurs. This medium contains glucose to assist sperm function and provides a metabolite for the cumulus and coronal cells. The oocyte can remain in this medium for up to 20 hours. After checking for the presence of pronuclei, fertilized oocytes are then transferred into Cleavage Medium. This is the first step in the Sydney IVF sequential system.

Related Products

Gamete Buffer
Sperm Medium
Cleavage Medium
K-MINC-1000 Benchtop Incubator
Flexipets
Micromanipulation Pipettes
GIFT catheters