Cleavage Solutions

THE ART OF ONE™ SYSTEM

Cleavage Medium

Constituents

Calcium lactate
Calcium pantothenate
D-Glucose
EDTA
Gentamicin
Glutamine - stabilized
Glycine
Human Serum Albumin*
L-Alanine
L-Arginine
L-Asparagine monohydrate
L-Aspartic acid
L-Cystine
L-Glutamic acid
L-Histidine
L-Isoleucine
L-Leucine
L-Lysine
L-Methionine
L-Proline
L-Phenylalanine
L-Serine
L-Taurine
L-Threonine
L-Tyrosine
L-Tryptophan
L-Valine
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

After normally fertilized oocytes are identified, they are transferred into Cleavage Medium, for culture from day 1 to day 3 (up to 8 cell stage). From there, they are transferred into Blastocyst Medium. Cleavage Medium has been formulated to provide early embryos with the necessary metabolic substrates for development and is the second step in the Sydney IVF sequential system. ICSI can be performed in this medium as glucose is only required for sperm function and the cumulus complex.

Related Products

K-MINC-1000 Benchtop Incubator
Micromanipulation Pipettes
Cryopreservation Kit
Thawing Kit
ET Catheters