



## Blastocyst Medium

### Constituents

Calcium lactate	L-Methionine
Calcium pantothenate	L-Phenylalanine
D-Glucose	L-Proline
Gentamicin	L-Serine
Glutamine - stabilized	L-Taurine
Glycine	L-Threonine
Human Serum Albumin*	L-Tyrosine
L-Alanine	L-Tryptophan
L-Arginine	L-Valine
L-Aspartic acid	Magnesium chloride
L-Asparagine	Magnesium sulphate
L-Cystine	Potassium chloride
L-Glutamic acid	Potassium phosphate
L-Histidine	Purified water
L-Isoleucine	Sodium chloride
L-Lysine	Sodium bicarbonate
L-Leucine	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:  $\geq 80\%$

Endotoxins:  $< 0.4$  EU/mL

Shelf life: 8 weeks from date of manufacture.

Sterile: Filtered (SAL  $10^{-3}$ )

\*\* pH equilibrated with 6% CO<sub>2</sub>: 7.3 - 7.5

### Usage

Once an embryo has reached the Day 3 (8 cell) stage it is then transferred into Blastocyst Medium. This medium has been metabolically balanced to maximise blastocyst development rates and is suitable for blastocyst transfer. This is the third and final step of the Sydney IVF sequential system.

### Related Products

K-MINC-1000 Benchtop Incubator

ET Catheters

Blastocyst Freezing Kits

Blastocyst Thawing Kits

Flexipets