Gamete Buffer

Adaptable-medium solution for all gamete procedures. Designed to be used specifically in atmospheric air conditions; not suitable for use in an enriched CO_2 environment such as a CO_2 incubator.

- Specifically designed HEPES buffer for the preparation of oocytes and sperm.
- Designed for swim-up, density-gradient separation and diluent procedure.
- Maintains a stable environment during washing of cumulus-enclosed oocytes.
- Can be used during ICSI for lengthy, difficult procedures.

Constituents
Calcium lactate
Calcium pantothenate
D-Glucose
Gentamicin
Glutamine–stabilized
Glycine
HEPES
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

Global Product Number	Order Number	Volume mL
G48258	K-SIGB-20	20
G48259	K-SIGB-50	50
G48260	K-SIGB-100	100

Usage
After ovum pickup, this buffer is used to wash the oocyte cumulus complex prior to it being transferred into Fertilization Medium. It contains nonessential amino acids to prevent depletion of the oocyte's internal pool of amino acids. Gamete Buffer is designed for swim-up and density-gradient separation of sperm. ICSI can also be performed in Gamete Buffer when a HEPES-buffered environment is required.

Release Specifications

pH (in air):	7.3–7.5
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})

Sperm Medium

Used to separate motile populations of sperm using the swim-up technique.

- A bicarbonate-based buffer for sperm preparation and storage.
- Optimal medium for swim-up and sperm washing in 6% CO_2.

Constituents

Calcium lactate
D-Glucose
Gentamicin
Glutamine–stabilized
Glycine
Human serum albumin
L-Taurine
Magnesium sulphate
Potassium chloride
Potassium phosphate
Purified water
Sodium chloride
Sodium bicarbonate
Sodium pyruvate

Global Product Number	Order Number	Volume mL
G20714	K-SISM-20	20
G20715	K-SISM-50	50
G19017	K-SISM-100	100

Usage

This medium should be equilibrated to 37°C with 6% CO_2 before use. It is designed to separate motile populations of sperm using the swim-up technique. Both intrauterine and in vitro insemination can be performed in this medium or sperm can be resuspended in Fertilization Medium prior to the insemination of oocytes in vitro.

Release Specifications

pH (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 equilibrated with 6% CO_2: 7.3–7.5

Sperm Gradient Kits

Used for sperm preparation using density-gradient separation.

- Convenient, two-part kit to separate motile sperm.
- Silane-coated silica in Gamete Buffer.
- Packaged in a kit with two vials, one of 40% and one of 80% density.

Constituents

Calcium lactate
D-Glucose
Gentamicin
Glutamine–stabilized
Glycine
HEPES
Human serum albumin
L-Taurine
Magnesium sulphate
Potassium chloride
Potassium phosphate
Purified water
Silane-coated silica particles
Sodium chloride
Sodium bicarbonate
Sodium pyruvate

Release Specifications

pH (in air):	7.3–7.5
Osmolarity:	285–295 mOsm/kg
MEA:	≥ 80%
Endotoxins:	< 0.4 EU/mL
Shelf Life:	12 weeks from date of manufacture
Sterile:	Filtered (SAL 10^{-3})

Global Product Number	Order Number	Volume mL
G26675	K-SISG-20	2 x 20
G19015	K-SISG-50	2 x 50

Usage

The gradients are prepared by placing 1.5 mL of 80% solution under 1.5 mL of 40% solution in a conical bottom test tube. The liquefied semen is then overlaid on top of the gradient. The tube is centrifuged and the resultant pellet is aspirated and washed in either Gamete Buffer or Sperm Medium. The final pellet is re-suspended in either Sperm Medium or Fertilization Medium.

Spermient®

Used for sperm preparation using density-gradient separation.

- 100% concentration enables customization of sperm motility techniques.
- A silane-coated, silica-based stock solution that can be diluted to any required concentration using Gamete Buffer.

Constituents

Calcium lactate
D-Glucose
Gentamicin
Glutamine–stabilized
Glycine
HEPES
Human serum albumin
L-Taurine
Magnesium sulphate
Potassium chloride
Potassium phosphate
Purified water
Silane coated silica particles
Sodium chloride
Sodium bicarbonate
Sodium pyruvate

Global Product Number	Order Number	Volume mL
G32772	K-SISP-20	20
G30445	K-SISP-100	100

Usage

The 100% stock solution should be diluted with Gamete Buffer to the density required for use (for example 80% and 40%). A one- or two-layer gradient is then prepared in a conical bottom tube. The liquefied semen is overlaid on top of the gradient. The tube is centrifuged and the resultant pellet is aspirated and washed in either Gamete Buffer or Sperm Medium. The final pellet is resuspended in either Sperm Medium or Fertilization Medium.

Release Specifications

pH (in air):	7.3–7.5
Osmolarity:	285–295 mOsm/kg
MEA:	≥ 80%
Endotoxins:	< 0.4 EU/mL
Shelf Life:	12 weeks from date of manufacture
Sterile:	Filtered (SAL 10^{-3})

Sperm Cryopreservation Buffer

Used for cryopreservation of human spermatozoa.

- Delivers a simple and effective way of preserving male fertility.
- Achieves cryopreservation of washed sperm using a HEPES-buffered solution that utilizes glycerol as a cryoprotectant.
- Suitable for MESA and TESA samples.

Constituents

Calcium lactate
D-Glucose
HEPES
Glycine
Gentamicin
Glycerol
Human serum albumin
Magnesium sulphate
Potassium chloride
Purified water
Sodium chloride
Sodium phosphate
Sodium bicarbonate
Sucrose

Global Product Number	Order Number	Volume mL
G32753	K-SISC-20	20

Usage

This buffer is suitable for freezing washed spermatozoa, including MESA and TESA samples.

Release Specifications

pH (in air):	7.3–7.5
Osmolarity:	1190–1210 mOsm/kg
MEA:	≥ 80%
Endotoxins:	< 0.4 EU/mL
Shelf Life:	8 weeks from date of manufacture
Sterile:	Filtered (SAL 10^{-3})

Follicle Flush Buffer

Used for follicle flushing during ovum collection.

- Uses a HEPES-buffered solution designed specifically for flushing ovarian follicles during oocyte collection.
- Suitable for flushing needles and lines.
- Contains nonessential amino acids, allowing the addition of heparin.

Global Product Number	Order Number	Volume mL
G20928	K-SIFB-100	100

Usage

This buffer is used for flushing follicles at ovum pickup. It contains nonessential amino acids to assist the maintenance of homeostasis within the oocyte and cumulus complex during the pickup procedure. As it is HEPES buffered, it maintains pH at 37°C without a CO_2 incubator.

Constituents

Calcium lactate
D-Glucose
Gentamicin
Glutamine–stabilized
Glycine
HEPES
L-Alanine
L-Aspartic acid
L-Asparagine
L-Glutamic acid
L-Proline
L-Serine
L-Taurine
Magnesium sulphate
Potassium chloride
Potassium phosphate
Purified water
Sodium chloride
Sodium bicarbonate
Sodium pyruvate

Release Specifications

pH (in air):	7.3–7.5
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})

Oocyte Freeze Kit*

Used for the cryopreservation of human oocytes.

- A simple, effective way of preserving female fertility.
- HEPES-buffered cryopreservation system for freezing MII oocytes.
- Simple, three-step freeze process.

Global Product Number	Order Number	Volume mL
G38571	K-OCF-5000	3 x 20

Usage

The kit is used to cryopreserve MII oocytes. The denuded oocytes are equilibrated by a three-step method, each step of which contains increasing concentrations of cryoprotectants. Unlike traditional PBS systems, the HEPES-based salt solution maintains a stable pH at low temperatures.

Constituents

Calcium lactate
Calcium pantothenate
D-Glucose
EDTA
Gentamicin
Glutamine–stabilized
Glycine
HEPES
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
Propanediol
Purified water
Sodium chloride
Sodium bicarbonate
Sodium pyruvate
Sucrose

Release Specifications

pH (in air):	7.3–7.5
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})

* Not currently on the Australian register of therapeutic goods and not currently available in the U.S. Please contact your local representative for updated information.

Oocyte Thaw Kit*

Used for thawing and rehydrating cryopreserved human MII oocytes.

- HEPES-buffered cryopreservation system for thawing MII oocytes.
- Simple, four-step thaw process.

Global Product Number	Order Number	Volume mL
G38537	K-OCT-5000	4 x 20

Usage

The kit is used for the thawing of MII oocytes. The oocytes are thawed to room temperature and rehydrated by a four-step method, each step of which contains decreasing concentrations of cryoprotectants. Thawed oocytes are inseminated using ICSI.

Constituents

Calcium lactate
Calcium pantothenate
D-Glucose
EDTA
Gentamicin
Glutamine–stabilized
Glycine
HEPES
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
Propanediol
Purified water
Sodium chloride
Sodium bicarbonate
Sodium pyruvate
Sucrose

Release Specifications

pH (in air):	7.3–7.5
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})

* Not currently on the Australian register of therapeutic goods and not currently available in the U.S. Please contact your local representative for updated information.

Fertilization Medium

Used to provide a suitable environment for both sperm and oocytes during the fertilization process.

- A bicarbonate-buffered medium for both short and long insemination protocols.
- Provides a glucose-rich environment for efficient cumulus-oocyte complex and sperm cell metabolism.
- Provides an optimized environment for gamete fusion that includes antioxidants and nonessential amino acids.

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

Global Product Number	Order Number	Volume mL
G20718	K-SIFM-20	20
G20719	K-SIFM-50	50
G19019	K-SIFM-100	100

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 Cook® sequential system.

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 equilibrated with 6% CO_2: 7.3–7.5

Culture Oil

Used for micro-droplet culture from fertilization to the blastocyst or as an overlay to any culture medium.

- High-quality, extensively washed culture oil specifically designed for human IVF.
- Reduces osmotic stress caused by evaporation.
- Helps maintain pH stability.

Constituents

Mineral oil (washed with Cleavage Medium)

Release Specifications

MEA:	≥ 80%
Endotoxins:	< 0.4 EU/mL
Shelf Life:	12 weeks from date of manufacture
Sterile:	Filtered (SAL 10^{-3})

Global Product Number	Order Number	Volume mL
G32717	**K-SICO-50**	50
G26708	**K-SICO-200**	200

Usage

Culture Oil is designed for micro-droplet culture from fertilization to the blastocyst or as an overlay to any culture medium. Culture Oil can be used while performing ICSI, assisted hatching and embryo biopsy.

Hyaluronidase*

Used for human oocyte cumulus cell removal.

- A pharmaceutical-grade enzyme that removes cumulus cells prior to ICSI.
- A bicarbonate-buffered medium containing 80 IU of Hyaluronidase for safety and consistency.

Global Product Number	Order Number	Volume mL
G26773	K-SIHY-1-5	5 x 1

Usage

The product should be equilibrated in 6% CO_2 prior to use. The oocyte-cumulus complexes should be placed in the Hyaluronidase for approximately one minute. The cumulus and coronal cells can then be gently denuded from the oocyte using Flexipet® pipettes.

Constituents

Calcium lactate
Calcium pantothenate
D-Glucose
EDTA
Gentamicin
Glutamine–stabilized
Glycine
Hyaluronidase
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

Release Specifications

pH (in air)†:	7.5–7.8
Osmolarity:	285–295 mOsm/kg
MEA:	≥ 80%
Endotoxins:	< 0.4 EU/mL
Shelf Life:	6 months if stored frozen at -20°C upon receipt
Sterile:	Filtered (SAL 10^{-3})

† pH equilibrated with 6% CO_2: 7.3–7.5

* Not currently on the Australian register of therapeutic goods. Please contact your local representative for updated information.

PVP

Used to reduce human sperm motility during ICSI.

Reduces motility with a bicarbonate-buffered medium containing 10% polyvinylpyrrolidine.

Global Product Number	Order Number	Volume µL
G26774	K-SIPV-200-5	5 x 200

Usage

The product should be equilibrated in 6% CO_2 prior to use. This solution is used to reduce the motility of sperm to make it easier to isolate them with an ICSI pipette. (Please refer to the Suggested Laboratory Protocols for more details on setting up ICSI dishes.)

Constituents

Calcium lactate
D-Glucose
Gentamicin
Glutamine–stabilized
Glycine
Human serum albumin
L-Taurine
Magnesium sulphate
Potassium chloride
Potassium phosphate
PVP (MW 360,000)
Purified water
Sodium chloride
Sodium bicarbonate
Sodium pyruvate

Release Specifications

pH (in air)*:	7.5–7.8
Osmolarity:	285–295 mOsm/kg
MEA:	≥ 80%
Endotoxins:	< 0.4 EU/mL
Shelf Life:	1 year if stored at -20°C upon receipt
Sterile:	Filtered (SAL 10^{-3})

* pH equilibrated with 6% CO_2: 7.3–7.5

Cleavage Medium

Used for human embryo culture from Day 1 to Day 3.

- A bicarbonate-buffered medium for the specific development of zygotes to eight-cell embryos.
- Low in glucose and high in pyruvate to optimize early cleavage stage development.
- Recommended for ICSI procedures to reduce oocyte stress as cumulus cell metabolism and sperm cell movement are no longer critical.

Global Product Number	Order Number	Volume mL
G20720	K-SICM-20	20
G20721	K-SICM-50	50
G19018	K-SICM-100	100

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

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 equilibrated 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 eight-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 Cook® sequential system. ICSI can be performed in this medium, as glucose is only required for sperm function and the cumulus complex.

Cryopreservation Kit

Used to protect human cleavage-stage embryos during dehydration and freezing.

- A HEPES-buffered, simple three-step kit, using propanediol and sucrose.
- Maintains constant pH at below-freezing temperatures.
- Suitable for all stages, from zygotes to compacted morulae.

Global Product Number	Order Number	Volume mL
G19016	K-SICS-5000	1 x 20 & 2 x 10

Usage

The kit is used to cryopreserve early-stage embryos from 2PN to morula. The embryos are equilibrated through three steps that contain increasing concentrations of cryoprotectants. Unlike traditional PBS systems, the HEPES-based Cryopreservation Buffer maintains a stable pH at low temperatures.

Constituents

Calcium lactate
Calcium pantothenate
D-Glucose
EDTA
Gentamicin
Glutamine–stabilized
Glycine
HEPES
Human serum albumin
L-Alanine
L-Asparagine monohydrate
L-Aspartic acid
L-Glutamic acid
L-Proline
L-Serine
L-Taurine
Magnesium chloride
Magnesium sulphate
Potassium chloride
Potassium phosphate
Propanediol
Purified water
Sodium chloride
Sodium bicarbonate
Sodium pyruvate
Sucrose

Release Specifications

pH (in air):	7.3–7.5
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})

Embryo Biopsy Medium

Used to facilitate the aspiration of blastomeres for preimplantation genetic diagnosis.

Global Product Number	Order Number	Volume mL
G26120	K-SIEB-20	20

Constituents

EDTA
Gentamicin
Glutamine–stabilized
Glycine
Human serum albumin
L-Alanine
L-Asparagine
L-Aspartic acid
L-Glutamic acid
L-Proline
L-Serine
L-Taurine
Potassium chloride
Potassium phosphate
Purified water
Sodium chloride
Sodium bicarbonate
Sodium pyruvate

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 equilibrated with 6% CO_2: 7.3–7.5

Usage

This medium requires equilibration in a 6% CO_2 environment. Embryos are placed in this medium for approximately five minutes to break down gap junctions between blastomeres. One or two blastomeres are removed, and the embryo is then returned to Cleavage Medium or Blastocyst Medium for further culture.

Thawing Kit

Used to protect human cleavage-stage embryos during thawing and rehydration stages.

- A HEPES-buffered, four-step kit.
- Formulated to match cryopreservation kit, ensuring reduction of embryo stress.

Global Product Number	Order Number	Volume mL
G19014	K-SITS-5000	4 x 10

Usage

The embryos are moved through a four-step dilution system. The low glucose, phosphate-free kit provides a protective environment from the stresses of cryopreservation.

Constituents

Calcium lactate
Calcium pantothenate
D-Glucose
EDTA
Gentamicin
Glutamine–stabilized
Glycine
HEPES
Human serum albumin
L-Alanine
L-Asparagine monohydrate
L-Aspartic acid
L-Glutamic acid
L-Proline
L-Serine
L-Taurine
Magnesium chloride
Magnesium sulphate
Potassium chloride
Potassium phosphate
Propanediol
Purified water
Sodium chloride
Sodium bicarbonate
Sodium pyruvate
Sucrose

Release Specifications

pH (in air):	7.3–7.5
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})

Blastocyst Medium

Used for culture of human embryos from Day 3 to Day 5.

Optimizes blastulation, differentiation and expansion.

- A bicarbonate-buffered medium with an increased glucose concentration to maximize blastocyst metabolism and energy production.
- Includes essential and nonessential amino acids for improved blastocyst development.
- Ideal for use in a low-oxygen environment that replicates the human reproductive tract.

Global Product Number	Order Number	Volume mL
G20722	K-SIBM-20	20
G20929	K-SIBM-50	50

Usage

Once an embryo has reached the Day 3 (eight-cell) stage, it is then transferred into Blastocyst Medium. This medium has been metabolically balanced to maximize blastocyst development rates and is suitable for blastocyst transfer. This is the third and final step of the Cook® sequential system.

Constituents

Calcium lactate
Calcium pantothenate
D-Glucose
Gentamicin
Glutamine–stabilized
Glycine
Human serum albumin
L-Alanine
L-Arginine
L-Aspartic acid
L-Asparagine
L-Cystine
L-Glutamic acid
L-Histidine
L-Isoleucine
L-Lysine
L-Leucine
L-Methionine
L-Phenylalanine
L-Proline
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

Release Specifications

pH (in air)*:	7.5–7.8
Osmolarity:	280–290 mOsm/kg
MEA:	≥ 80%
Endotoxins:	< 0.4 EU/mL
Shelf Life:	8 weeks from date of manufacture
Sterile:	Filtered (SAL 10^{-3})

* pH equilibrated with 6% CO_2: 7.3–7.5

Blastocyst Cryopreservation Kit

Used to protect human blastocysts during dehydration and freezing.

Facilitates long-term blastocyst storage.

- Uses a HEPES-buffered kit containing glycerol and sucrose as cryoprotectants.
- Optimizes a simple, three-step freezing process.

Global Product Number	Order Number	Volume mL
G26738	K-SIBF-5000	3 x 20

Usage

The kit is used to cryopreserve blastocysts on day 5 or 6 using a slow-freeze technique.

Constituents

Calcium lactate
Calcium pantothenate
D-Glucose
EDTA
Gentamicin
Glutamine–stabilized
Glycerol
Glycine
HEPES
Human serum albumin
Sodium chloride
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 bicarbonate
Sodium chloride
Sodium pyruvate
Sucrose

Release Specifications

pH (in air):	7.3–7.5
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})

Blastocyst Thawing Kit

Used to protect human blastocysts during thawing and rehydration stages.

Enables successful blastocyst thawing and rehydration.

- A simple, four-step thawing process.
- Protects cryopreserved blastocysts during thawing with a HEPES-buffered kit.

Global Product Number	Order Number	Volume mL
G26739	K-SIBT-5000	4 x 20

Usage

For thawing blastocysts using a four-step process.

Constituents

Calcium lactate
Calcium pantothenate
D-Glucose
EDTA
Gentamicin
Glutamine–stabilized
Glycine
HEPES
Human serum albumin
L-Alanine
L-Asparagine monohydrate
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
Sucrose

Release Specifications

pH (in air):	7.3–7.5
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})

Blastocyst Vitrification Kit*

Used for the vitrification of blastocysts on Day 5 or Day 6.

Enables successful vitrification of blastocysts.

- A HEPES-buffered kit containing DMSO, ethylene glycol and trehalose as cryoprotectants.
- A simple, three-step vitrification process.

Global Product Number	Order Number	Volume mL
G49621	K-SIBV-5000	3 x 20 & 1 x 10

Usage

For the vitrification of blastocysts on Day 5 or Day 6.

Constituents

Calcium lactate
Calcium pantothenate
D-Glucose
DMSO
EDTA
Ethylene glycol
Gentamicin
Glutamine-stabilized
Glycine
HEPES
Human serum albumin
L-Alanine
L-Asparagine monohydrate
L-Aspartic acid
L-Glutamic acid
L-Proline
L-Serine
L-Taurine
Magnesium chloride
Magnesium sulphate
Potassium chloride
Potassium phosphate
Purified water
Sodium bicarbonate
Sodium chloride
Sodium pyruvate
Trehalose

Release Specifications

pH (in air):	7.3–7.5
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})

* Not currently on the Australian register of therapeutic goods and not currently available in the U.S. Please contact your local representative for updated information.

Blastocyst Warming Kit*

Used for the warming of human blastocysts that have undergone vitrification.

Enables successful warming of vitrified blastocysts.

- Uses a HEPES-buffered kit containing trehalose.
- A simple, three-step warming process.

Global Product Number	Order Number	Volume mL
G49626	K-SIBW-5000	3 x 20

Usage

For the warming of human blastocysts that have undergone vitrification.

Constituents

Calcium lactate
Calcium pantothenate
D-Glucose
EDTA
Gentamicin
Glutamine–stabilized
Glycine
HEPES
Human serum albumin
L-Alanine
L-Asparagine monohydrate
L-Aspartic acid
L-Glutamic acid
L-Proline
L-Serine
L-Taurine
Magnesium chloride
Magnesium sulphate
Potassium chloride
Potassium phosphate
Purified water
Sodium bicarbonate
Sodium chloride
Sodium pyruvate
Trehalose

Release Specifications

pH (in air):	7.3–7.5
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})

* Not currently on the Australian register of therapeutic goods and not currently available in the U.S. Please contact your local representative for updated information.