**BlastGen™**

**Indication for use**
BlastGen™ is for the culture of embryos from the 4-8 cell stage through to the blastocyst stage. BlastGen™ can also be used for embryo transfer.

**Composition**
- Leukine (sargramostim) GM-CSF 2 ng/mL
- Synthetic Serum Replacement (SSR®) (USA: ART Supplement) (contains Recombinant Human Insulin)
- Human serum albumin (HSA) 5 mg/mL
- Gentamicin sulphate 10 µg/mL
- Glucose
- Sodium pyruvate
- Calcium lactate
- Physiological salts
- Amino Acids
- L-glutamine (stable form)
- Vitamins
- EDTA
- Sodium hyaluronate
- Sodium bicarbonate

**Quality control testing**
- Leukine (sargramostim) GM-CSF concentration (ELISA) and potency (TF-1 bioassay)
- Sterility tested (Ph.Eur., USP)
- Osmolality tested 272-288 mOsm/kg (Ph. Eur., USP)
- pH tested 7.25-7.45 (Ph. Eur., USP)
- Endotoxin tested < 0.15 EU/mL (Ph. Eur., USP)

1 cell Mouse Embryo Assay (MEA) ≥ 80% Blastocysts by 96h

**Note:** The results of each batch are stated on a Certificate of Analysis, which is available on www.origio.com.

**Storage instructions and stability**
Store in original container at 2-8°C, protected from light. Do not freeze. The product is to be used within 7 days after opening. Discard excess (unused) media following warming. When stored as directed by the manufacturer the product is stable until the expiry date shown on the vial label.

**Precautions and warnings**
Do not use the product if:
1. Product packaging appears damaged or if the seal is broken.
2. Expiry date has been exceeded.

**Caution:** U.S. federal law restricts this device to sale by or on the order of a physician (Rx only).

**Instructions for use**
1. Equilibrate BlastGen™ for a minimum of 2 hours in 5-6% CO₂ at 37°C prior to use. The time required to achieve full equilibration depends on volume of medium and oil overlay.
2. Following initial culture in EmbryoGen®, wash and transfer embryos to fresh microdrops or wells of BlastGen™. Dishes should be returned to the incubator until blastocyst formation on day 5/6.

**Embryo transfer**
1. The embryos are prepared and transferred to the uterus in 20 - 30µL pre-equilibrated BlastGen™.
2. Flush the transfer catheter with BlastGen™ or other protein-containing medium prior to use. It should be determined within individual laboratories as to which medium best suits which procedure.

**Caution:** All blood products should be treated as potentially infectious. Source material used to manufacture this product was tested and found non-reactive for HBsAg and negative for Anti-HIV-1/-2, HIV-1, HBV, and HCV. Furthermore source material has been tested for parvovirus B19 and found to be non-elevated. No known test methods can offer assurances that products derived from human blood will not transmit infectious agents.