

## **Bone Marrow Growth Supplement**

Cat GGS-JL-002

Pack size Supplied – 20mls stock solution

ProCell™ Reagents

Patent Pending

**GTIN-13:** 5060174130052

Date of original issue: January 2012

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Revision date: June 2015

## **PRODUCT DESCRIPTION**

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#### **Bone Marrow Growth Supplement**

Is a media additive that greatly improves cell growth and morphology in bone marrow cultures by exposing these cells to growth factors that are known growth promoters. Also effective with difficult-to-grow solid tumours, lymphomas and products of conception.

#### **Bone Marrow Growth Supplement**

Has a marked stimulatory effect on bone marrow cells. It is a complex mixture of growth factors dissolved in DMEM containing FCS.

Advantages that will be seen in bone marrow cultures are the following:

- a significant improvement in cell growth, even in very poor samples
- improved morphology and GTG banding
- a decrease in turn-around times

### PROCEDURE

Add 1 part of Bone Marrow Growth Supplement to 10 parts of normal foetal calf supplemented culture medium (Hams F10, RPMI, DMEM). Do not use in greater concentrations, as a medium nor as a FCS replacement. Where possible two cultures should be set up per specimen, one supplemented with Bone Marrow Growth Supplement and one without.

### QUALITY CONTROL

All batches are tested on established cell lines, with mitotic index and morphology assessed using phase contrast microscopy. The chromosome morphology and band length are assessed by scoring for the presence of chromosome bands routinely observed in greater than 450 band cytogenetic preparations. The test lot must perform statistically better than the control.

### STORAGE

Store refrigerated until used. Do not freeze.

Store away from light.

For laboratory research use only.

## **IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY**

**Product:** Cat# GGS-JL-002 **Bone Marrow Growth Supplement**

**A Laboratory Reagent** for research purposes only. **Strictly Not for Human Therapeutic Use**

#### **Company details:**

Genial Genetics  
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## **COMPOSITION AND COMPONENT DATA**

Proprietary product (Patent pending): containing a mixture of growth factors dissolved in MEM media (20% FCS). Growth factors contained include:

Interleukine-3, Interleukine-6, Colony Stimulating Factor GM-CSF .

### HAZARDS IDENTIFICATION

Non-hazardous

## **FIRST-AID MEASURES**

### AFTER INHALATION

Remove from exposure, if difficulty in breathing seek medical advice.

#### AFTER EYE CONTACT

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

#### AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. If ingested - Give large quantities of water. Seek medical advice.

#### AFTER SKIN CONTACT

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

### FIRE FIGHTING MEASURES

Not applicable

#### ACCIDENTAL RELEASE MEASURES

Wear a lab coat and rubber gloves, wipe with paper tissues and place in plastic bag for proper disposal.

#### HANDLING AND STORAGE

Keep container tightly closed when not in use.

Stored in dark container at 4°C

Correctly stored product is stable at 4°C for 12 months.

### EXPOSURE CONTROL AND PERSONAL PROTECTION

Only work in a Class 2 Biological Safety Cabinet

Always wear a lab coat and rubber gloves.

Wash hands after handling.

#### PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear pink-red liquid

Boiling Point: As for water (for prepared working solution)

Vapour Pressure (pascals): As for water (for prepared working solution)

Specific Gravity: 1 (for prepared working solution)

Flashpoint: N/A

Flammability Limits (%): N/A

#### TOXICOLOGICAL INFORMATION

Not fully established, may be a mild irritant.

Not a known carcinogen.

#### STABILITY AND REACTIVITY

Stable under normal conditions.

Avoid strong oxidizing agents

### ECOLOGICAL INFORMATION

#### **Toxicology**

No data available

#### **Persistence and degradability**

No data available

#### **Bioaccumulative potential**

No data available

#### DISPOSAL CONSIDERATIONS

Use approved government contractor.

Observe all International, National, State and Local environmental laws.

#### **Contaminated packaging**

Dispose of as unused product.

### TRANSPORT INFORMATION

Does not contain DOT classified ingredients.

Not regulated as a hazardous material.

### REGULATORY INFORMATION

S 36/ 37 – Wear suitable protective clothing and gloves

S 7/ 47 – Keep container tightly closed and at temperature not exceeding 4°C

#### OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Genial Genetic Solutions Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.