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## Working Instructions/ preparation

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### SECTION 1: Identification of the Substance/ Mixture and of the Company/ Undertaking

#### 1.1. Product identifier

- Product name: **Bone Marrow Growth Supplement**
- Product code: **GGS-JL-002**
- Pack size: **20ml stock solution (SS refers to this pack size unless otherwise stated)**
- GTIN-13: **5060174130052**
- GMDN: **30621 'Chromosome Culture Kit'**
- REACH: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

#### 1.2. Relevant identified uses of the substances or mixture and uses advised against

Recommended Use: In Vitro Diagnostics  
Identified uses: Laboratory chemicals

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

Is a media additive that greatly improves cell growth and cytogenetic morphology in bone marrow cultures by exposing these cells to growth factors that are known growth promoters. The additive is 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

#### 1.3. Details of the supplier of the safety data sheet

- Registered company name: Genial Helix Limited
- Address: Genial Helix, Evans Business Centre, Minerva Avenue, Off Sovereign Way, Chester, Flintshire, CH1 4QL, U.K.
- Telephone: +44 (0)1244 757 155
- Email: [info@genialhelix.com](mailto:info@genialhelix.com)
- Website: [www.genialhelix.com](http://www.genialhelix.com)

#### 1.4. Emergency telephone number: +44 (0)1244 757 155

- Emergency Response Organisation: Genial Helix Limited | [www.genialhelix.com](http://www.genialhelix.com)

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### SECTION 2: Preparation

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.

#### **Further information**

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Genial Helix Ltd and its Affiliates will not be held liable for any damage resulting from handling or from contact with the above product.

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