

## 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: **Pre-Hypotonic Solution**
- Product code: **GGS-JL007**
- Pack size: **5mls stock solution**
- 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

Identified uses: Laboratory chemicals, Manufacture of substances

##### **Pre-Hypotonic Solution**

Is to be used before the hypotonic stage of a blood or bone marrow harvest, pre-hypotonic solution makes the hypotonic step more effective by circumventing the tendency of chromosomes to clump or to under-spread.

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

- Registered company name: Genial Helix Limited
- Address: Genial Helix, CoWorkz 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

1. Add the contents of the supplied 5 ml vial to a 1000 ml volumetric flask
2. Bring to 1000ml with milli-Q water or reverse osmosis-filtered deionised water

#### Procedure 1

1. After colchicine/colcemid/Metaphase Arresting Solution incubation is complete, spin down the culture discarding the supernatant.
2. Mix the cell pellet well and add 10 ml of culture media, followed by 1 ml of Pre Hypotonic Solution. Mix well.
3. Centrifuge for 10 minutes at 1000 rpm
4. Discard the supernatant; proceed with the harvest as normal from, and including, the hypotonic step.

#### Procedure 2

1. Pipette out the old medium.
2. Add 10mls of fresh medium, followed by 1ml of prehypotonic.
3. Wait for 10 minutes.
4. Pipette out the prehypotonic.
5. Harvest as usual.

**QUALITY CONTROL:** All batches are tested on established lymphoid/myeloid cell-lines with spreading and morphology assessed using phase contrast microscopy.

#### **- IMPORTANT -**

**Please refer to the (M)SDS for full safety and storage details**

#### **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.