
Working Instructions/ Preparation

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

1.1. Product identifier

- Product name: **Metaphase Arresting Solution GGS-JL-008**
- Product code: **GGJL-008**
- Pack size: **Supplied to make up 100mls**
- GTIN-13: **5060174130076**
- 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

Metaphase Arresting Solution

Is a mixture of colchicine/ vinblastine sulphate dissolved in PBS, both of these compounds inhibit the formation of mitotic spindles and are used to increase the percentage of metaphase cells for chromosome studies.

Vinblastine sulphate has been found to be more effective against bone marrows, difficult tumours and problematic tissues with low mitotic indexes, and where colchicine/ colcemid appears to be ineffective.

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
- Website: www.genialhelix.com

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

- Emergency Response Organisation: Genial Helix Limited | www.genialhelix.com

SECTION 2: Preparation

PROCEDURE

Dissolve the contents of the supplied vial with 100ml of milli-Q or reverse osmosis filtered deionised water.

1. Use Metaphase Arresting Solution as a direct replacement for colchicine/colcemid in your harvest, keeping volume and incubation time and temperature the same as usual.
2. After incubation continue with your usual harvest protocols.

QUALITY CONTROL

All batches are tested on established bone marrow and tumour cell-lines with mitotic index and morphology scored under a compound microscope

Further information

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