
Working Instructions/ preparation

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

1.1. Product identifier

- Product name: **Buffered Hypotonic Solution**
- Product code: **GGG-JL-006/b**
- Pack size: **Supplied to make 1000mls working solution**
- GTIN-13: **5060174130090**
- 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

Buffered Hypotonic Solution

Is a hypotonic solution developed for bone marrow specimens. It has been found to achieve good metaphase swelling (spreading) from a wide range of sample types and significantly increases the number of useful metaphases in leukaemic bone marrow cultures when compared to the standard 0.075M KCL hypotonic. It contains 0.4% KCL with HEPES.

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

1. Add the powdered contents of the supplied bottle of Buffered Hypotonic Solution product to 1000 mls of distilled water.
2. Adjust to pH 7.4 with 5N NaOH and store at 4°C in a clean glass bottle, until ready to use, noting down the date on the bottle.
3. During harvest replace your existing hypotonic solution with *Buffered Hypotonic Solution*
4. Replace your existing hypotonic and incubate cells at 37°C for a maximum of 30 minutes.

QUALITY CONTROL

All batches are tested on established lymphoid/myeloid cell-lines with spreading assessed using phase contrast microscopy.

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.
