Working Instructions/ preparation

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

1.1. Product identifier

- Product name: **Cytoclear Cytoplasm Remover**
- Product code: **GGS-JL-004**
- Pack size: **1ml vial**
- 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

Cytoclear Cytoplasm Remover
Is a formulation which quickly dissolves and removes persistent cytoplasm during the methanol:acetic acid fixation stage of chromosome harvesting. In particular it dissolves the lipid and glycoprotein structure of which the cytoplasm is mainly composed.

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
- 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

There are two protocols for Cytoclear. In order to integrate Cytoclear into your laboratory as simply as possible, we recommend that you try Procedure 1 first.

PROCEDURE 1

1. At the first fix step in the harvest, add 5ul of Cytoclear per ml of methanol: acetic acid (normally 3:1 ratio or whatever is the laboratory standard ratio), as normally used in your harvest procedure.
2. Stand for 5 minutes
3. Centrifuge for 5 minutes at 1000rpm
4. Continue the harvest as normal.

PROCEDURE 2 - For cultures that have yielded poor quality metaphases.

1. Identify problem cultures by checking freshly made slides under phase contrast
2. Take the problem culture, add 5ul of Cytoclear per ml of methanol: acetic acid (normally 3:1 ratio or whatever is the laboratory standard ratio), as normally used in your harvest procedure to the resuspended pellet.
3. Stand at RT for 10 minutes.
4. Spin down, then refix.
5. Make slides

QUALITY CONTROL: All batches are tested for its ability to break down glycoprotein cytoplasm and are assessed using phase contrast microscopy.

- IMPORTANT -

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

Further 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. 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.