Working Instructions/ preparation

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

1.1. Product identifier

- Product name: **Erythrocyte Lysis Solution**
- Product code: **GGS-JL-009**
- Pack size: **30 mls solution/ suspension to make up 1000mls working 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

Erythrocyte Lysis Solution

Is a simple pretreatment for heavily blood-stained amniotic fluid and bone marrow samples which quickly removes heavy red blood cell (erythrocyte) contamination. Unlike many similar products used in molecular biology that lyse red blood cells, this product is extremely gentle in its action and is particularly suited for cytogenetic cell culture work. It is well documented that high concentrations of red blood cells inhibit growth of cells from amniotic fluid by restricting colony size.

Note: ***This product will not prevent maternal material contamination from occurring because it has no effect on white blood cells.***

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

PROCEDURE

1. To make the working solution aseptically dissolve the supplied stock solution in sterile water up to 1 litre. Mix well before use.
2. NOTE: Erythrocyte Lysis Solution is a supersaturated solution and there may be solid particles visible in the concentrated stock solution. These will dissolve once the solution is made up.
3. Centrifuge 10ml of amniotic fluid for 10 minutes at 900-1000rpm.
4. Remove supernatant aseptically and resuspend in 2 to 3ml of Erythrocyte Lysis Solution and mix gently.
5. Centrifuge at 1500 rpm for 10 minutes.
6. Remove supernatant and wash in 3 mls of culture media to remove any residual Erythrocyte Lysis Solution.
7. Centrifuge again then resuspend in your medium of choice and set up in culture

QUALITY CONTROL

All batches are tested on red blood cells for lysis activity, with morphology assessed under phase 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.