

Erythrocyte Lysis Solution

ProCell™ Reagents

Cat GGS-JL-009

Pack size supplied – working solution/suspension to make up 1000mls working solution

GTIN-13: 5060174130038

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Date of current issue: January 2015

Revision date: June 2015

PRODUCT DESCRIPTION

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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 specially 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.

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

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.

STORAGE

Store at room temperature for no more than 12 months

Protect from light, product to be kept in the dark

For laboratory research use only.

IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Product: Cat#GGG-JL-009 **Erythrocyte Lysis Solution**

A **Laboratory Reagent** for research purposes only. **Strictly Not for Human Therapeutic Use**

Company details:

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The Printworks

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COMPOSITION AND COMPONENT DATA

Prepared or working solution, sterile 0.85% ammonium chloride in phosphate buffered saline

HAZARDS IDENTIFICATION

Non-hazardous

FIRST-AID MEASURES

AFTER INHALATION

Not applicable

AFTER EYE CONTACT

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. If ingested - Give large quantities of water. Seek medical advice.

AFTER SKIN CONTACT

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

FIRE FIGHTING MEASURES

Not applicable

ACCIDENTAL RELEASE MEASURES

Wearing rubber gloves, mop up with paper tissues and place in plastic bag for proper disposal

HANDLING AND STORAGE

Keep unused containers tightly closed.
Store product at room temperature not more than 12 months, in the dark.

EXPOSURE CONTROL AND PERSONAL PROTECTION

Only work in a Class 2 biological safety cabinet.
Always wear a lab coat and rubber gloves.
Wash hands after handling

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear to slightly cloudy liquid.
Boiling Point: As for water
Vapour Pressure (pascals): As for water
Specific Gravity: 1.1 (Water = 1)

Flashpoint: N/A
Flammability Limits (%): N/A

TOXICOLOGICAL INFORMATION

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Not a known carcinogen.

STABILITY AND REACTIVITY
Product is stable

ECOLOGICAL INFORMATION**Toxicology**

No data available

Persistence and degradability

No data available

Bioaccumulative potential

Rapidly biodegraded.

DISPOSAL CONSIDERATIONS

Use approved government contractor.
Observe all International, National, State and Local environmental laws.

Contaminated packaging

Dispose of as unused product.

TRANSPORT INFORMATION

Does not contain DOT classified ingredients.

Not regulated as a hazardous material.

REGULATORY INFORMATION

S 36/ 37/ 39 – Wear suitable protective clothing, gloves and eye/face protection
S 56 – Dispose of this material and its container at a hazardous or special waste collection point

OTHER 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. Genial Genetic Solutions Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.