

Safety Data Sheet



Version 3, May 2026

1. Identification

Product name: Foetal Bovine Serum Replacement Solution FRS™ Pioneer

Catalogue number: FRSPI0100 or FRSPI0500 or FRSPI1000

Molecular formula: N/A

Application of substance: For research use or further manufacturing use only

Country of origin: Australia

Manufacturer and supplier of Safety Data Sheet:

Media City Scientific

Bowral, NSW 2576

Australia

mediacityscientific.com

2. Hazard(s) Identification

Physical hazards: Based on the available data, the classification criterion are not met

Health hazards: Based on the available data, the classification criterion are not met

Environmental hazards: Based on the available data, the classification criteria are not met

3. Composition/Information on Ingredients

The product contains no substances which, at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. First Aid Measures

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|---------------------|---|
| Skin Contact | Generally, the product does not irritate the skin. As a precautionary measure, users are advised to rinse skin with water. |
| Eye Contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Ingestion | Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. |
| Inhalation | Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary. |

Most important symptoms and effects, both acute and delayed: Not applicable

Indication of any immediate medical attention and special treatment needed: None

5. Firefighting Measures

Extinguishing media:

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|---------------------------------------|--|
| Suitable extinguishing media | Use firefighting measures that suit the conditions |
| Unsuitable extinguishing media | No information available |

Special hazards arising from the substance or mixture: None identified

Hazardous combustion products: None under normal use conditions

Advice for firefighters: Standard procedures for chemical fires

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation and always wear recommended personal protective equipment

Environmental precautions: No special environmental precautions required. Avoid discharge into drains, sewers and waterways whenever possible.

Methods and material for containment and cleaning up: Soak up with inert absorbent material

7. Handling and Storage

Precautions for safe handling: Use personal protective equipment as required

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product.

Conditions for safe storage, including any incompatibilities: -5°C to -20°C

In transit: FRS Pioneer is fully thawed and shipped at room temperature in an insulated box containing blue ice (ice packs). AVOID partial thawing and freezing of the product.

Specific end use: For research use or further manufacturing use only

8. Exposure controls/Personal Protection

Exposure limits: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies

Biological limit values: This product, as supplied, does not contain any hazardous materials with biological limits established by the region-specific regulatory bodies

Derived no effect level/Derived minimum effect level: No information available

Predicted no effect concentration: No information available

Engineering measures: Ensure adequate ventilation, especially in confined areas

Exposure controls:

| | |
|---|--|
| General protective and hygienic measures | Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the skin and eyes. |
| Breathing equipment | Not required |
| Hand protection | Wear suitable gloves. Glove material: Compatible chemical-resistant gloves. |
| Eye protection | Tight sealing safety goggles |
| Skin and body protection | Wear suitable protective clothing |

Environmental exposure controls: No special environmental precautions required. Avoid discharge into drains and waterways whenever possible.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

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|--|----------------|
| Form | Solution |
| Colour | Clear |
| Odour | Indeterminate |
| pH value | 6.8-7.6 |
| Osmolarity | 225-250 |
| Change in condition (Boiling point/range) | Undetermined |
| Flash point | Not applicable |
| Flammability | Not applicable |
| Decomposition temperature | Not applicable |
| Auto ignition temperature | Not applicable |
| Explosion limits | Not applicable |
| Vapour pressure | Not applicable |
| Density | Not applicable |
| Relative density | Not determined |
| Vapour density | Not determined |
| Evaporation rate | Not determined |
| Solubility | Not determined |
| Partition rate (n-octanol/water) | Not determined |

| | |
|--------------------------|--------------------------|
| Viscosity | Not determined |
| Other information | No information available |

10. Stability and Reactivity

Reactivity: None known

Chemical stability: Stable under normal conditions

Possibility of hazardous reaction: None known or reported

Conditions to avoid: No information available

Incompatible materials: No information available

Hazardous decomposition products: None known under normal conditions

11. Toxicological Information

Product information: No acute toxicity information is available for this product

Acute toxicity: There is no evidence available indicating acute toxicity

Primary routes of exposure:

| | |
|------------------------|---|
| Skin | No data available |
| Eye | No data available |
| Sensitisation | No data available |
| Carcinogenicity | No data available; there are no known carcinogenic chemicals in the product |
| Reproductive | No data available |

Endocrine disrupting properties: This product does not contain any known or suspected endocrine disruptors

12. Ecological Information

Toxicity: Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment plants

Persistence and degradability: No information available

Bio accumulative potential: Unlikely

Mobility in soil: No information available

Results of PBT and vPvB assessment: Not applicable

Endocrine disrupting properties: This product does not contain any known or suspected endocrine disruptors

Other adverse effects: No information available

13. Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

14. Transport Information

IATA / ADR / DOT-US / IMDG: Not regulated in the meaning of transport regulations

| | |
|-----------------------------------|----------------|
| UN number or ID number | Not applicable |
| UN proper shipping name | Not applicable |
| Transport hazard class(es) | Not applicable |
| Packing group | Not applicable |

Environmental hazards: Not applicable

Special precautions for user: Not applicable

Maritime transport in bulk according to IMO instruments: Not applicable

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Substances of Very High Concern: None

Substance subject to authorisation per REACH Annex XIV: None

Restricted substances under EC 1907/2006, Annex XVII: None

Regulation (EC) No 649/2012 (Rotterdam Convention - export/import of dangerous chemicals): None

Regulation (EU) No 2019/1021 (Stockholm Convention – persistent organic pollutants): None

EU - Substances Depleting the Ozone layer (1005/2009): None

Chemical safety assessment: No Chemical safety assessment has been carried out

16. Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing safety data sheet: Quality control department

Date of preparation: 25 May 2026

Abbreviations and acronyms:

| | |
|---------------|---|
| IATA | International Air Transport Association |
| DOT-US | US Department of Transportation |
| ADR | Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| IMDG | International Maritime Code for Dangerous Goods |
| PBT | Persistent, bio accumulative, and toxic |
| vPvB | Very persistent and very bio accumulative |
| UN | United Nations |
| IMO | International Maritime Organisation |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| EU | European Union |
| EC | European Commission |