

## SAFETY DATA SHEET

Conforms to EU Directive 91/155/EEC, as amended by 2001/58/EC - United Kingdom (UK)  
English

### 1. Identification of the substance/preparation and company/undertaking

**Product name** Biotinylated Antibody Reagent; part of 'GM-CSF, Human, Biotrak™ Assay'

**Catalogue Number** RPN2756



**Component Number** RPN2756AS

#### Company/undertaking identification

**Supplier** GE Healthcare Bio-Sciences AB  
SE-751 84 Uppsala  
Sweden  
+46 (0)18 612 0000

**Emergency telephone number**  
Swedish Poisons Information Centre :  
+46 (0)8 331 231

**United Kingdom (UK)** GE Healthcare UK Ltd  
Amersham Place  
Little Chalfont  
Buckinghamshire  
HP7 9NA  
0870 606 1921

### 2. Composition/information on ingredients

**Substance/preparation** Preparation

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, in accordance with EU or national regulations.

### 3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** Not classified.

See section 11 for more detailed information on health effects and symptoms.

### 4. First-aid measures

#### First-aid measures

**Inhalation** ☒ Inhaled, remove to fresh air. Get medical attention if symptoms appear.  
**Ingestion** ☒ Do not ingest. Get medical attention if symptoms appear.  
**Skin contact** ☒ Wash with soap and water. Get medical attention if symptoms appear.  
**Eye contact** ☒ In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if irritation occurs.

**Protection of first-aiders** ☒ No action shall be taken involving any personal risk or without suitable training.

See section 11 for more detailed information on health effects and symptoms.

### 5. Fire-fighting measures

**Extinguishing media** ☒ Use an extinguishing agent suitable for the surrounding fire.  
**Not suitable** ☒ None known.  
**Special exposure hazards** No specific hazard.  
**Special protective equipment for fire-fighters** ☒ Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



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## 6. Accidental release measures

<b>Personal precautions</b>	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
<b>Environmental precautions</b>	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
<b>Methods for cleaning up</b>	If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

## 7. Handling and storage

<b>Handling</b>	Wash thoroughly after handling.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.
<b><u>Packaging materials</u></b>	
<b>Recommended</b>	Use original container.

## 8. Exposure controls/personal protection

<b>Exposure limit values</b>	Not available.
<b><u>Exposure controls</u></b>	
<b>Occupational exposure controls</b>	No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
<b>Respiratory protection</b>	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
<b>Eye protection</b>	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
<b>Skin protection</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Environmental exposure controls</b>	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and chemical properties

### General information

#### Appearance

<b>Physical state</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Odourless.

### Important health, safety and environmental information

<b>Explosive properties</b>	Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat, shocks and mechanical impacts, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture.
<b>Solubility</b>	Easily soluble in cold water, hot water.

## 10. Stability and reactivity

<b>Stability</b>	The product is stable.
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## 11. Toxicological information

### Potential acute health effects

<b>Inhalation</b>	No known significant effects or critical hazards.
<b>Ingestion</b>	No known significant effects or critical hazards.
<b>Skin contact</b>	No known significant effects or critical hazards.
<b>Eye contact</b>	No known significant effects or critical hazards.

<u>Ingredient name</u>	<u>Carcinogenic effects</u>	<u>Mutagenic effects</u>	<u>Developmental toxicity</u>	<u>Impairs fertility</u>
<b>Carcinogenicity</b>	No known significant effects or critical hazards.			
<b>Mutagenicity</b>	No known significant effects or critical hazards.			



Reproductive toxicity	No known significant effects or critical hazards.
<b>Over-exposure signs/symptoms</b>	
Inhalation	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Skin	No known significant effects or critical hazards.

12. Ecological information

Other adverse effects	No known significant effects or critical hazards.
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13. Disposal considerations

Methods of disposal	<div><div></div>The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.</div>
Hazardous waste	<div><div></div>Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.</div>

14. Transport information

<b>International transport regulations</b>	
Not classified.	

15. Regulatory information

<b>EU regulations</b>	
Risk phrases	<div><div></div>This product is not classified according to EU legislation.</div>
Product use	<div><div></div>Classification and labelling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use. - Industrial applications.</div>
<b>Other EU regulations</b>	
EU statistical classification (Tariff Code)	32089091

16. Other information

Indicates information that has changed from previously issued version.

<b>History</b>			
Date of printing	22 June 2006	Date of previous issue	31 October 2005
Date of issue	22 June 2006	Version	3
<b>Notice to reader</b>			
To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.			

