

sTREM-1 ELISA

MATERIAL SAFETY DATA SHEET

According to the Directive 91/155EEC and 2001/58/EC

1. Product and Company identification

Product code(s): IQP-385 (IQ Products BV)

Product name: sTREM-1 ELISA; available as a 96 tests kit.
This product is intended for *Research Use Only*. Not for use in humans.
Not for *in vivo* use.

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2. Composition / Information on ingredients

Acute effects

There are no reported further health hazards for the product in the current formulation and applications. All components of the product contain substances that may be hazardous when available in significant amounts and should be treated as potentially biohazardous.

Bromonitrodioxane	CAS-No. 30007-47-7	< 0.02 %
Methylisothiazolone	CAS-No. 26172-54-3	< 0.02 %
Sodium Azide	CAS-No. 26628-22-8	< 0.005 %
3, 3', 5, 5-tetramethylbenzidine	CAS-No. 54827-17-7	< 0.02 %
Thimerosal	CAS-No. 54-64-8	0.01 %
Sulphuric acid	CAS-No. 7664-93-9	0.2 M

Kit Components:

Reagent A: Recombinant sTREM standard		
Bromonitrodioxane	< 0.02 %	
Methylisothiazolone	< 0.02 %	
Reagent B: Biotinylated detection antibody		
Bromonitrodioxane	< 0.02 %	
Methylisothiazolone	< 0.02 %	
Sodium azide	< 0.005 %	
Reagent C: Streptavidin-HRPO		
Bromonitrodioxane	< 0.02 %	
Methylisothiazolone	< 0.02 %	

Reagent D: Washing buffer	
Thimerosal	0.01 %
Reagent E: Dilution buffer	
Thimerosal	0.01 %
Reagent F: TMB substrate	
3, 3', 5, 5-tetramethylbenzidine	< 0.02 %
Reagent G: Sulphuric Acid	0.2 M

3. Hazard Identification

General warnings and precautions

All reagents should be handled in accordance with good laboratory practices using appropriate precautions. In addition, handle all patient samples and control slides with appropriate precautions as described in "Biosafety in Microbial and Biomedical Laboratories", 2nd ed., 1988. HHS Publication No. (CDC) 88-8395, Centers for Disease Control.

Potential Health and Environmental Effects

There are no reported further health hazards for the product in the current formulation and applications. All components of the product contain substances that may be hazardous when available in significant amounts and should be treated as potentially biohazardous. No toxic effects are to be expected when the product is handled appropriately. The product may enter the body through inhalation, ingestion, skin contact and eye contact.

Sodium azide forms explosive compounds with heavy metals. The components of this product contain concentration of azide < 0,1% (w/w) which with repeated contact with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds. On disposal, flush with large amounts of water to prevent azide build-up.

4. First Aid Measures

Skin contact:	Wash with plenty of water for 15 minutes, remove contaminating clothing and shoes and seek medical advice.
Eye contact:	Rinse out with plenty of water for 15 minutes and seek medical advice.
Ingestion:	Wash mouth with plenty of water for 15 minutes and seek medical advice.
Inhalation:	Expose to fresh air. If breathing problems persist seek medical advice.

5. Fire-fighting Measures

Extinguishing Media:	Use carbon dioxide, dry chemical extinguisher or water.
Protective Equipment:	An approved self-contained breathing apparatus and protective clothing should be used.
Special Fire and Explosion Hazards:	No special hazards determined.
Hazard Combustion Products:	Due to the composition and volume of this product, combustion products generated from it are not expected to present a significant hazard.

6. Accidental Release Measures

Use appropriate protective equipment and standard safe laboratory practices to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

The complete properties of the product have not been investigated and are expected to be non-hazardous. However, the product contains substances that may be hazardous when available in significant amounts and should be treated as potentially biohazardous. Consult local, state or federal regulations for proper disposal.

7. Handling and storage

Handling Precautions: This product should be handled as though capable of transmitting infectious diseases. Universal precautions should be followed when using this product. Avoid inhaling, ingesting, and contact with eyes and skin.

Storage Conditions: Product is stable if stored according to appropriate conditions until the expiration date as indicated on the label and on each component provided. Storage conditions recommended: +2 to +8 °C. Do not freeze. Avoid direct sunlight.

8. Exposure controls and personal protection

Exposure limits: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal Protection: Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices. Under normal conditions, the use of this product should not require respiratory protection.

9. Physical/Chemical characteristics

The product is composed of a set of reagents, i.e. sTREM-1 ELISA Reagent A, B, C, D, E, F and G. All of them are liquids and transparent. Reagent F can have very faint blue color. All of them are water based solutions and will have a boiling point close to 100 °C .

Odor, Specific Gravity, Boiling Point, Melting Point, Flash Point, Density and Vapor Pressure are not determined.

10. Stability and Reactivity

Stability: Stable under normal temperatures and pressures.

Hazardous Incompatibilities:

Metals and metallic compounds
Strong acids, strong oxidizing agents, powdered metals and reducing agents. Sodium azide forms explosive compounds with heavy metals. The components of this product contain concentration of azide < 0,1% (w/w) which with repeated contact with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds.

Hazardous Decomposition Products:

When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.

Conditions to Avoid: Keep away from incompatible material.

11. Toxicological information

Acute Toxicity: Quantitative data on the toxicity of this product are not available.

Subacute to chronic toxicity: No information available.

Further toxicological Information: No toxic effects are to be expected when product is handled appropriately.

Further data: The product has to be handled with the usual caution.

12. Ecological information

The complete ecological properties of the product have not been investigated and are expected to be non-hazardous. However, the product contains substances that may cause problems when available in significant amounts. No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal considerations

Product: There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Contaminated Packaging: Dispose in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. Transport information

Not classified as hazardous under RID/ADR regulations

15. Regulatory information

Labeling according to EC Directives

EEC EINECS Number: Not applicable

EEC Risk statements: R- Phrases
None apply

S- Phrases

S28 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Hazard Class: Not hazardous

Identification Number: Not applicable

Packing Group: Not applicable

16. Other information

The information presented in this Material Safety Data Sheet is based on the present state of our knowledge. The product should be used according to the instructions provided by the manufacturer, see "sTREM-1 ELISA Procedure" as presented in the Package Insert accompanying every product. *IQ Products BV* shall not be held liable for any damage resulting from handling or from contact with the product. See for additional information "General Terms and Conditions" *IQ Products BV* (available on request or via our websites).
