

Material Safety Data Sheet

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1. Identification of Substance:

- Products name: Rat TGF beta ELISA Kit
- Catalog Number: **MBS260302**
- For Research Use Only
- Company: MyBioSource, Inc.
P.O.Box 153308
San Diego, CA 92195-3308 USA
Tel: 1.858.633.0165/Fax: 1.858.633.0166
Email: sales@mybiosource.com

2. Composition, Information on Ingredients:

- Reagents: Kit reagents are not considered to be hazardous, they are mixtures that contains less than 0.5% hazardous chemical and less than 0.05% carcinogenic chemicals.
- Antibody precoated plate: None
- Standards(2 vials):calibration substance
- Biotinylated antibody(120ul):50% glycerol(CAS# 56-81-5).
- Enzyme conjugate(120ul): 50% glycerol(CAS# 56-81-5).
- Enzyme diluent(12ml):contains 1% BSA(CAS#9048-46-8),0.014%sodium azide(CAS# 26628-22-8).
- Antibody diluent(12ml):contains 1% BSA(CAS#9048-46-8),0.015%sodium azide(CAS# 26628-22-8).
- Standard diluent(15ml):contains 2% BSA(CAS#9048-46-8),0.015%sodium azide(CAS# 26628-22-8).
- Sample diluent(15ml):contains 2% BSA(CAS#9048-46-8),0.015%sodium azide(CAS# 26628-22-8).
- Color Reagent A(10ml):contains 0.05% 3,3',5,5'tetramethylbenzidine (CAS#54827-17-7).
- Washing Buffer(20ml):contains 3% Tris(CAS#77-86-1)
- Color Reagent B(1.2ml):contains 0.08% Hydrogen Peroxide(CAS# 7722-84-1).
- Color Reagent C(11ml):contains 1mol/L sulfuric acid (CAS#7664-93-9).

3. Health Hazard Data:

- Emergency overview: No special.
- Flammability: No
- Reactivity: No
- Threshold Limit Value (TLV) and source: Data N/A, to the best of our knowledge, the chemical, physical and toxicological properties of the components of this kit have not been thoroughly investigated.
- Potential acute health effects: May cause skin, eye, or lung irritation. To the best of our knowledge the physical and toxicological properties of the components of this kit have not been thoroughly investigated.
- Carcinogenic effects data: N/A
- Chronic effects of overexposure/A
- Vapor pressure(mm Hg):N/A
- Solubility in water: Liquids readily miscible in water.

4. Emergency and First Aid Procedures:

- First aid personnel should ensure self-protection.
- Swallowing: If any component of this kit is swallowed, wash mouth out with water, provided person is conscious. Get medical attention.

- Skin: If any component of this kit contacts the skin, immediately wash skin with soap and copious amounts of water.
- Inhalation: If any component of this kit is inhaled, remove to fresh air. If not breathing, perform CPR and get immediate medical attention.
- Eyes: If any component of this contacts the eyes, flush the eyes with copious amounts of water for at least 15 mins. Assure adequate flushing by separation eyelids with fingers. Consult a physician.

5. Fire and Explosion Hazard Data:

- Flammability: May be combustible at high temperature.
- Flash points: N/A
- Extinguishing media: Use dry chemical.
- Special firefighting procedures: Water NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.
- Unusual fire and explosion hazards: Unknown.

6. Accidental Release Measures:

- Use appropriate protective equipment and methods to clean up spilled substances promptly. Collect and dispose of all waste in accordance with applicable laws.

7. Handling and Storage:

- Material may be air sensitive. Desiccation recommended. The washing buffer and color reagent C can be stored at room temperature, all the other reagents can be stored at 2~8/-20°C.

8. Exposure Controls/Personal protection:

- Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices.
- ACGIH/OSHA Permissible Exposure Limit Data: Not determined.

9. Physical Data:

- Antibody precoated plate: Physical state and appearance: Solid (microwells).
- Enzyme diluents, antibody diluent, standard diluent, sample diluent:
Physical state: Solutions.
Boiling point: Decomposes.
Vapor pressure: N/A
Vapor density: N/A
Specific gravity: N/A
Melting point: N/A
Evaporation rate: N/A
Solubility in water: Solutions are dilutable.
- Washing buffer, color reagent B, color reagent C:
Physical state and appearance: Clear solutions
Boiling point: Decomposes.
Vapor pressure: N/A
Vapor density: N/A
Specific gravity: N/A
Melting point: N/A
Evaporation rate: N/A
Solubility in water: Solutions are dilutable.

10. Stability/Reactivity:

- Stability and reactivity: The product is stable.
- Condition to avoid: N/A
- Materials to avoid: N/A
- Hazardous decomposition products: N/A

11. Toxicological Information:

- Irritability: N/A
- Mutagenicity: N/A
- Reproduction toxicity: N/A
- Other toxic effects on humans: May cause slight irritation in case of eye contact, inhalation or ingestion.

12. Ecological Information:

- Don't allow product reach ground water, water course or sewage system.

13. Disposal Considerations

- Consult local, state or national regulation for proper disposal.

14. Transportation information:

- Overland transportation (ADR/RID): As a mixture. The substance is subject to no limitations.
- Transatlantic transportation (IMDG): As a mixture. The substance is subject to no limitations.
- Air transportation (ICAO/IATA): As a mixture. The substance is subject to no limitations.

15. Regulatory information:

- Observe the general safety regulations when handling chemicals. No single component contains a hazardous ingredient in an amount that requires identification and labeling.

16. Other information:

- This material is sold for research purposes only. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. MyBioSource, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.