

Material Safety Data Sheet for **EXOTEST™** kit

1. Product and Company Identification				
Product name: EXOTEST™ kit: ELISA assay for exosome capture, quantification and characterization from cell culture supernatants and biological fluids. Catalogue No:				
2. Information on potentially hazardous ingredients				
Chemical Name	Containing kit component	Concentration	CAS#	Classification according to EU directives
Sodium Azide	Sample Buffer, and Detection Antibody	0,01%	26628-22-8	Not hazardous at concentrations below the regulatory limit of < 0.1%
Sulphuric Acid	Stop Solution	2N	7664-93-9	C:R35
Other components of this kit are not expected to be hazardous or produce significant adverse health effects when recommended instructions for use are followed.				
Routes of entry: Dermal contact. Eye contact. Inhalation. Ingestion.				
3. Physical and chemical properties				
Physical State: Liquid except for the coated microwells (solid) and positive control and calibration standards.				
Color: Clear for liquid reagents.				
Odor: None detectable.				
pH: 5 – 10 for all components except Stop Solution at <3 (highly acidic)				
Boiling Point: Not applicable.				
Melting Point: Not applicable.				
Flash Point: Not applicable.				
Flammability: Not Flammable.				
Auto flammability: Will not occur.				
Vapor Pressure: Not applicable.				

Water Solubility: Easily soluble.

4. Stability and Reactivity

This product is stable until the expiration date indicated on the kit label under the specified storage conditions. Sulphuric acid can react violently with water.

5. Handling and Storage

This kit should be stored as recommended on the product label. All components should be kept in tightly closed containers. Refer to the Storage section of the kit insert for further information. This kit should only be handled and used by qualified, trained professionals.

6. General Toxicological Information

Inhalation: Stop Solution may be harmful if inhaled. Extremely destructive to the tissue of the mucous membranes and upper respiratory tract. No information on adverse effects caused by other kit components.

Ingestion: Stop Solution is harmful if swallowed. Causes severe burns. No information on adverse effects caused by other kit components.

Skin and eyes contact: Stop Solution causes severe eye burns. No information on adverse effects caused by other kit components.

Sulphuric Acid is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. May cause spasm, inflammation and edema to the respiratory tract, burning sensation, cough, shortness of breath, headache, nausea, vomiting. Effects may be delayed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7. First Aid and Measures

Inhalation: Move to fresh air. If any respiratory symptoms occur get medical attention. If breathing becomes difficult give oxygen. If breathing stops, administer artificial respiration.

Skin contact: Immediately flush skin with plenty of water and wash with soap and water for at least 15 minutes and remove contaminated clothing and shoes. Former should be washed thoroughly before reuse. Get medical attention if any symptom of irritation or discomfort occur.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids. Get medical attention if any symptom occur.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician or poison control.

8. Personal Protection

It is recommended that all laboratory personnel follow standard laboratory safety precautions taken when handling chemicals.

Keep all container tightly closed and use a kit in a dry and well-ventilated place. Direct physical contact with all components in this product should be avoided. Avoid inhalation. Do not pipet by mouth. Avoid prolonged or repeated exposure. Avoid contact with skin, eyes and clothing. Wear lab coats and disposable gloves when handling. Wipe up spills immediately and clean affected surfaces.

Respiratory protection: No personal respiratory protective equipment normally required.

Eye protection: No safety glasses normally required.

Hand protection: Protective gloves.

Hygiene measures: Wash hands before breaks and at the end of workday.

9. Fire Fighting Measures

None of the components of this kit pose a significant risk in case of fire. Normal measures for fire prevention required.

Extinguishing media: should be selected to suit other materials involved in the fire.

Decomposition: Dangerous decomposition is not anticipated.

Standard protective measures are recommended for firefighters to limit their exposure.

10. Accidental Release Measures

Ventilate area. Wear appropriate protective gear. Wipe or pick-up materials, place in sealed container, dispose of in accordance with local regulations. Wash spill site thoroughly with soap and water after material pick-up is complete.

11. Disposal considerations

Waste disposal route: Used reagent can be disposed of in the waste water in accordance with local regulations.

Disposal of empty packaging or contaminated containers: Dispose of via local recycling or waste disposal routes in compliance with applicable regulations.

12. Transport information

Is not subject to any restrictions regarding transportation of dangerous goods (ADR/RID, IMDG, IATA/ICAO).

13. REGULATORY INFORMATION

Labelling according to EC-Directives:

"R" Phrases Indicating Specific Risks: **R 35** – (for concentrated Sulphuric Acid) Causes severe burns.

"S" Phrases Indicating Caution: **S 26** – (for concentrated Hydrochloric Acid) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S30** – Never add water to this product. **S45** – In case of accident or if you feel unwell, seek medical advice immediately.

14. OTHER INFORMATION

The information herein is believed to be correct but is provided without warranty of any kind and shall be used as a guide. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed. The burden of safe use of these materials rests solely with the user.

Date: 01/06/2011