
Material Safety Data Sheet

Revision Date: 19-May-2020



1. Product and Company Information

Product Name *TransDetect*[®] Luciferase Mycoplasma Detection Kit
Cat. No. FM301
Company TransGen Biotech Co., Ltd.
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The following TransGen products are included:

MycoDetect Reagent (lyophilized)

MycoDetect Substrate (lyophilized)

MycoFree Water

2. Hazards Identification

The product contains no substances which at their given concentration, are considered to be hazardous to health

3. Composition

This kit consist of Hazardous/Non-hazardous Components

Chemical Name	CAS-No	Weight %
EDTA-2Na	6381-92-6	1-3

Other components:

Components not listed here are not hazardous or their concentrations do not exceed the limits specified in the OSHA Hazard Communication Standard 29 CFR 1910.1200.

We recommend handling all chemicals with caution.

4. First Aid Measures

TransGen Biotech Co., Ltd.

General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes.
Inhalation	Move to fresh air. If not breathing, clear airway and start artificial respiration (mouth-to-mouth, bag-mask respirator). If having trouble breathing, give supplemental oxygen. Get immediate medical attention. If breathing is difficult, give oxygen. Call a physician immediately.
Ingestion	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Not an expected route of exposure.
Notes to physician	Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

6. Accidental Release Measures

Personal precautions	Use personal protective equipment.
Methods for cleaning up	Soak up with inert absorbent material.
Environmental precautions	Prevent further leakage or spillage if safe to do so.

7. Handling and Storage

Precautions for safe handling	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Recommend operators to wear self-priming filter dust masks, tightly sealed goggles, appropriate protective clothing, and rubber gloves.
Conditions for safe storage	The package is sealed. Store in a dry, cool and well-ventilated place. Keep in properly labeled containers. Prevent direct sunlight.

8. Exposure Controls/Personal Protection

MAC(mg/m ³):	No standards.
PC-TWA (mg/m ³) :	No standards.
PC-STEEL (mg/m ³) :	No standards.
TLV-C(mg/m ³):	No standards.
TLV-TWA(mg/m ³):	No standards.
TLV-STEEL(mg/m ³):	No standards.

9. Physical and Chemical Properties

General Information

Form: Lyophilized powder

Water solubility: soluble

Others: No information available.

10.Stability and Reactivity

Stability	Stable under normal conditions
Reactivity	Stable under recommended storage conditions.
Materials to avoid	Strong acids and strong bases. Strong oxidizing agents.
Hazardous decomposition	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
Products polymerization	Hazardous polymerisation does not occur

11.Toxicological Information

Acute toxicity - Component Information.

The powder content in the air is greater than 5 mg/L, and the exposure time is 4 h.

Chemical Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
EDTA-2Na	None	None	None

Principle Routes of Exposure/ Potential Health effects

Eyes Irritating.

Skin The product components may be absorbed by the skin with slight skin irritation.

Inhalation	Irritating to respiratory system.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	No information available.
Mutagenic effects	No information available.
Reproductive toxicity	No information available.
Sensitization	No information available.

12. Ecological Information

Ecotoxicity effects	No information available.
Mobility	No information available.
Biodegradation	No information available.
Bioaccumulation	No information available.

13. Disposal Considerations

Dispose of in accordance with local regulations.

14. Transport Information

IATA	Not hazardous goods
Transport precautions:	Package should be intact upon departure. Loading should be handled carefully. During transportation, make sure that the containers avoid leakage, collapse, fall or damage. Oxidants, edible chemicals, etc. are strictly prohibited to load together for transportation. It should be protected from exposure to sun light, rain and high temperature during transportation. The transportation vehicles are equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment during transportation. Carry out thorough cleaning after transportation. Road transportation must follow the prescribed route.
Hazard class	none
Subsidiary Class	none
Packing group	none
UN-No	none

15. Regulatory Information

International Inventories	Complies
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The following laws, regulations and standards have made corresponding provisions on the safe use, storage, transportation, handling, classification and marking of chemicals: The Production Safety Law of the People's Republic of China (adopted at the 27th meeting of the Standing Committee of the Ninth People's Congress on June 29, 2002); The Environmental Protection Law of the People's Republic of China (adopted at the 11th meeting of the Standing Committee of the Seventh National People's Congress on December 26, 1989)

16. Other Information

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE

End of Safety Data Sheet