



MSDS No.

Material Safety Data Sheet

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name **First Strand cDNA Synthesis Kit**
 Product Code **FSK-101**
 SUPPLIER
 Name **Biochemical Operations Department TOYOBO Co., Ltd.**
 Address **2-8 Dojima Hama 2-chome, Kita-Ku OSAKA 530-8230 JAPAN**
 Emergency Telephone No. **+81-6-6348-3786**
 Fax No. **+81-6-6348-3833**

2 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Product Preparation
 (Substance/Preparation)

Chemical Nature

Parts Name	Main components	CAS No. of Components
ReverTra Ace	Glycerol (Appox.50%) Reverse Transcriptase(<1%)	56-81-5 (EC 2.7.7.49)
5x RT Buffer	Magnesium Chloride (25 mM)	7791-18-6
RNase Inhibitor	Glycerol (Appox.50%) RNase Inhibitor(<1%)	56-81-5
dNTP Mixture	deoxyadenosine 5'triphosphate deoxycytidine 5'triphosphate deoxyguanosine 5'triphosphate deoxythymidine 5'trophosphate (10 mM each)	1927-31-7 2056-09-6 93919-41-6 128524-26-5
RNase Free H2O	Water	
Oligo(dT)20	oligodeoxynucleotides(10 μ M)	
Random Primer	oligodeoxynucleotides(10 μ M)	
Control Primer F	oligodeoxynucleotides(10 μ M)	
Control Primer R	oligodeoxynucleotides(10 μ M)	
Positive Control RNA	human G3PDH in vitro transcript	

3 HAZARDS IDENTIFICATION

Most Important Hazards **May cause eye and skin irritation. May cause respiratory and digestive tract irritation.**
 Specific Hazards **Not available**

4 FIRST-AID MEASURES

Inhalation **In case of irritation by inhaling this product, move affected person to fresh air and await recovery. If irritation persists, seek immediate medical attention.**
 Skin Contact **Wash with clean water, immediately.**
 Eye Contact **Flush eyes with clean water for more than 15 min, and seek medical attention.**



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Ingestion Induce vomiting.
If Indisposition continues, seek medical attention.

5 FIRE-FIGHTING MEASURES

Extinguishing Media Water, Carbon Dioxide, Foam, Dry Chemical Powder

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid substance contact
Environmental Precautions Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.
Methods for Cleaning up The same as the above

7 HANDLING AND STORAGE

HANDLING

Technical Measures Wear a gas mask, rubber gloves and chemical safety goggles. Set up good ventilation and exhaust system in the work area.
Precautions Keep away from fire or heat.
Safe Handling Advice Good laboratory technique should be used when handling this product.

STORAGE

Technical Measures Store in the sampling tube.
Storage Conditions Store at about -20
Incompatible Products Oxidizers
Packaging Materials Store in the original package

8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection Wear a dust mask. Set up good ventilation and exhaust system in the work area.
Hand Protection Chemical safety gloves.
Eye Protection Chemical safety goggles.
Skin and Body Protection Long sleeves to prevent contact with skin.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State liquid
Color colorless
Odor none
pH 7.0-8.5
Boiling Point Not available
Melting Point Not available
Decomposition Temperature Not available
Flash Point Not available
Density Not available
Solubility Soluble in water.



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10 STABILITY AND REACTIVITY

Stability	Stable under normal handling and storage conditions
Possible Hazardous Reactions	None
Conditions to Avoid	Not available
Material to Avoid	Strong acids, strong alkalines and strong oxidizers
Hazardous Decomposition Product	Not available

11 TOXICOLOGICAL INFORMATION

Acute Toxicity	Not available (probably very low)
Local Effects	Not available (probably very low)

12 ECOLOGICAL INFORMATION

Mobility	Not available
Persistence/Degradability	Not available
Bioaccumulation	Not available

13 DISPOSAL CONSIDERATIONS

Waste from Residues	Dispose of in accordance with all applicable local and national laws and regulations.
Contaminated Packaging	Dispose in the same way as the material.

14 TRANSPORT INFORMATION

International Regulation	Not available
Specific Precautions	To prevent packages from breaking, handle with care.

15 REGULATORY INFORMATION

Follow all of the laws and regulations in your country.

16 OTHER INFORMATION

Notice	The information in this MSDS, to the best of our knowledge, is accurate and correct. However, TOYOBO makes no warranty and assumes no liability whatsoever in connection with any use of this information.
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