

TECAN.

Safety Data Sheet

According to the Federal Register /Vol. 77, No. 58 /Monday, March 26, 2012/ Rules and Registration

Document #: 0357MSDS Rev#1

Date of issue: 31DEC19

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: Trio RNA-Seq, Trio RNA-Seq with Human rRNA AnyDeplete

Part Number: 0357-96, 0506-32 (0357-96 + S02305)

Contains the following Components:

- S02397 DB VER 2 DNase Buffer Mix
- S02398 HL-dsDNase
- S02160 A1 VER 4 First Strand Primer Mix
- S02399 A2 VER 13 First Strand Buffer Mix
- S02252 First Strand Enzyme Mix
- S02411 B1 VER 3 Second Strand Buffer Mix
- S02400 B2 VER 2 Second Strand Enzyme Mix
- S02401 SP1 VER 1 SPIA Primer Mix
- S02402 SP2 VER 1 SPIA Buffer Mix
- S02403 SP3 VER 1 SPIA Enzyme Mix
- S02404 ER1 VER 3 End Repair Buffer Mix
- S01909 ER2 VER 4 End Repair Enzyme Mix
- S02405 ER3 End Repair Enhancer
- S01910 L1 VER 4 Ligation Buffer Mix
- S01911 L3 VER 4 Ligation Enzyme Mix
- S02406 P1 VER 4 Amplification Buffer Mix
- S02407 P3 VER 2 Amplification Enzyme Mix
- S02408 P2 VER 16 Amplification Primer Mix
- S02303 DR1 DNA Resuspension Buffer Mix
- S02410 Bead Binding Buffer
- S02289 K562 Control RNA
- S02390 AD1 VER 1 AnyDeplete Buffer Mix
- S02391 AD2 VER 1 AnyDeplete Enzyme Mix I
- S02392 AD3 VER 1 AnyDeplete Enzyme Mix II
- S02366 L2V23DR-BC 96-Plex Adaptor Plate
- S02305 AD10 VER 1 Trio RNA-Seq AnyDeplete Probe Mix – Human

1.2 RECOMMENDED USE AND RESTRICTIONS

Use of product: laboratory reagent

1.3 SUPPLIER INFORMATION

Tecan Genomics
900 Chesapeake Drive
Redwood City, CA 94063
www.tecan.com

1.4 EMERGENCY PHONE NUMBER

Emergency Number CHEMTEL US: 800-255-3924
 CHEMTEL International 813-248-0585

2. HAZARDS IDENTIFICATION

2.1 GHS CLASSIFICATION

This material is not classified as hazardous under OSHA regulations (29 CFR Part 1910.1200).

Full text of H statements: see section 16

2.2 GHS LABEL ELEMENTS

Hazard pictograms (GHS-US) : None required under U.S. OSHA Hazcom 2012.
 No labeling applicable

Signal word (GHS-US) : Not required

Hazard statements (GHS-US) : Not required

Precautionary statements (GHS-US) : Not required

2.3 OTHER HAZARDS

Other hazards not Not applicable
contributing to the
classification:

2.4 UNKNOWN ACUTE TOXICITY

Other hazards not None
contributing to the
classification:

3. COMPOSITION

This material does not contain hazardous components listed under OSHA regulations (29 CFR Part 1910.1200).

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

First-aid measures general: No Special measure required.

First-aid measures after Not an anticipated route of entry. Remove person to fresh air and keep
inhalation: comfortable for breathing. Obtain medical attention if symptoms develop and
persist.

First-aid measures after skin Remove affected clothing and wash all exposed skin area with mild soap and
contact: water, followed by warm water rinse. Wash contaminated clothing before
reuse. If irritation persists, seek prompt medical attention.

First-aid measures after eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
First-aid measures after ingestion:	Rinse mouth. Drink plenty of water. Seek medical advice in case of persistent discomfort. If inhaled, move to fresh air.

4.2 SYMPTOMS AND EFFECTS (ACUTE OR DELAYED)

Symptoms/effects:	Under normal conditions of use effects or not anticipated.
Symptoms/effects after inhalation:	None anticipated under normal conditions and use.
Symptoms/effects after skin contact:	None anticipated under normal conditions and use.
Symptoms/effects after eye contact:	None anticipated under normal conditions and use.
Symptoms/effects after ingestion:	None anticipated under normal conditions and use.
Chronic symptoms:	None anticipated under normal conditions and use.

4.3 IMMEDIATE MEDICAL ATTENTION OR TREATMENT

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media:	Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
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5.2 SPECIFIC HAZARDS ARISING FROM SUBSTANCE OR MIXTURE

Fire hazard:	Not flammable.
Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.

5.3 ADVICE FOR FIRE-FIGHTERS

Protection During Firefighting	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, EMERGENCY PROCEDURES

General Measures: Avoid release to the environment. If the spilled material enters any drainage systems, surface waters and/or groundwater, follow all applicable local, state and federal laws and regulations for additional clean-up and/or reporting requirements.

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

For emergency responders: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 ENVIRONMENTAL PRECAUTIONS

Runoff from fire control or dilution water may cause pollution. Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP

For containment: To the extent possible cleaning is performed with normal cleaning agents.

Methods for cleaning up: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling: Ensure good ventilation of the workstation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Floors, walls and other surfaces in the hazard area must be cleaned regularly.

Hygiene measures: Practice good housekeeping. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES

Storage conditions: Keep in properly labeled containers.

Store away from incompatible materials. Separated from combustible substances and reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Contains substances with no occupational exposure limit values.

8.2 EXPOSURE CONTROLS

Environmental exposure controls: Avoid release to the environment.

8.3 INDIVIDUAL PROTECTION MEASURES (I.E., PPE)

Consider the potential hazards of this material, applicable exposure limits, job activities, environmental working conditions, and other substances in the workplace when designing engineering controls and selecting personal protective equipment (PPE). The user should read and understand all manufacturer instructions and limitations supplied with the personal protection equipment before use. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Provide eyewash station and safety shower.

Engineering Controls: Engineering controls should be used as the primary means to control exposures. Use process containment, local exhaust ventilation, or other engineering controls to maintain airborne levels.

Personal protective equipment: Wear appropriate footwear

Hand protection: Protective gloves

Eye protection: Safety glasses

Skin and body protection: Lightweight protective clothing

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid
Appearance	: Clear
Color	: Clear
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available

Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 100°C	: No data available
Density	: No data available
Specific gravity / density	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

The product is stable and non-reactive under normal conditions of use, storage, and transport.

10.2 STABILITY

Stable under normal conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known under normal conditions of use, storage and transport.

10.4 CONDITIONS TO AVOID

Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.

10.5 INCOMPATIBLE MATERIALS

Keep away from acids, strong bases and oxidizing agents. Reducing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Skin corrosion/irritation	: No data available
Serious eye damage/irritation	: No data available
Respiratory or skin sensitization	: No data available
Germ cell mutagenicity	: No data available
Carcinogenicity	: None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.

Reproductive toxicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration hazard : No data available

12. ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 PERSISTENCE AND DEGRADABILITY

No additional information available.

12.3 BIOACCUMULATIVE POTENTIAL

No additional information available.

12.4 MOBILITY IN SOIL

No additional information available.

12.5 OTHER ADVERSE EFFECTS

Effect on the global warming : No known effects from this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal recommendations: Dispose of in accordance with applicable Federal, state and local laws and regulations.

14. TRANSPORT INFORMATION

In accordance with DOT

Transport document description : Not Regulated

15. REGULATORY INFORMATION

No information available

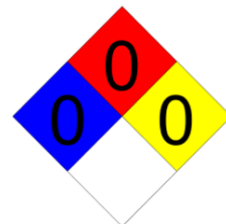
16. OTHER INFORMATION

Revision Date : November 5, 2019

NFPA Health Hazard: Level 0 - Poses no health hazard, no precautions necessary and would offer no hazard beyond that of ordinary combustible materials

NFPA Fire Hazard: Level 0 - Materials that will not burn.

Level 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



NFPA Reactivity:

HMIS Health 0 Minimal Hazard - No significant risk to health.

Hazard: 0 Minimal Hazard - Materials that will not burn

HMIS Fire Hazard: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will

HMIS Reactivity not react with water, polymerize, decompose, condense, or self-react. Non-explosives

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.