



Tapestri® Single-Cell Targeted RNA Core +4 Kit

Safety Data Sheets

MB03-0140



MB05-0046
Rev 1

For Research Use Only. Not for use in diagnostic procedures.

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Materials


Tapestri Single-Cell Targeted RNA Core +4 Kit

Component Name	Part Number	Storage
Tapestri Single-Cell Targeted RNA Core +4 Kit	MB03-0140	+4°C

Tapestri Single-Cell Targeted RNA Core +4 Kit MB03-0140

Component Name	Part Number	Fill Volume (mL)
RNA Reagent 2	200198	45
RNA Lysis Mix	200201	16

1. Identification	
Product identifier	RNA Reagent 2
Other means of identification	
Product code	200198
Recommended restrictions	None known
Manufacturer/Importer/Supplier/Distributor information	
	Mission Bio 300 Utah Ave South San Francisco, CA 94080 USA
Telephone number	+1 415-854-0058
E-mail	support@missionbio.com
Website	www.missionbio.com
Emergency telephone number	For Chemical Emergency, call: +1 415-854-0058

2. Hazard(s) identification	
Physical hazards	Not Hazardous
Health hazards	Serious eye damage/eye irritation
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	
Signal word	DANGER
Hazard statement	Causes serious eye damage Harmful to aquatic life with long lasting effects
Precautionary statement	
Prevention	Wear protective gloves/protective clothing/eye protection/face protection Avoid release to the environment.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician
Storage	Not Applicable
Disposal	Dispose of contents/ container to an approved waste disposal plant
Hazard(s) not otherwise classified (HNOC)	Contains a known or suspected endocrine disruptor
Supplemental information	None.

3. Composition/information on ingredients		
Chemical Name	CAS number	Weight %
Nonidet P40 Ethylphenolpoly(ethyleneglycolether)	9016-45-9	7-10

4. First-aid measures	
Inhalation	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Skin contact	Rinse skin with water. Immediate medical attention is not required.

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Most important symptoms/effects, acute and delayed	Causes serious eye damage Harmful to aquatic life with long lasting effects
Indication of immediate medical attention and special treatment needed	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	No information available.
Specific hazards arising from the chemical	Not known
Hazardous Combustion Products	No data available.
Fire fighting equipment/instructions	Standard procedure for chemical fires.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Not known.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation Always wear recommended Personal Protective Equipment Use personal protection equipment See section 8 for more information
Methods and materials for containment and cleaning up	Soak up with inert absorbent material.
Environmental precautions	Should not be released into the environment. Prevent product from entering drains.

7. Handling and storage

Precautions for safe handling	Use personal protective equipment as required. No special handling advices are necessary.
Conditions for safe storage, including any incompatibilities	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Ensure adequate ventilation, especially in confined areas
Individual protection measures, such as personal protective equipment	
Eye/face protection	Tight sealing safety goggles.
Skin protection	Wear suitable protective clothing.
Hand protection	Wear appropriate chemical resistant gloves.
Skin protection Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
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9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Colorless
Odor	No data
Odor threshold	No data
pH	No data
Melting point/freezing point	No data
Initial boiling point and boiling range	No data
Flash point	No data
Evaporation rate	No data
Flammability (solid, gas)	No data
Upper/lower flammability or explosive limits	Not available.
Explosive limit - lower (%)	No data
Explosive limit - upper (%)	No data
Vapor pressure	No data
Vapor density	No data
Relative density	No data
Solubility(ies)	
Solubility (water)	No data
Partition coefficient (n-octanol/water)	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Viscosity	No data
Other information	
Explosive properties	No data
Oxidizing properties	No data
Molecular weight	No data

10. Stability and reactivity

Reactivity	None known
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	No information available.
Incompatible materials	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on toxicological effects			
Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Nonidet P40 Ethylphenolpoly(ethyleneglycolether)	= 2590 mg/kg (Rat)	= 1780 µL/kg(Rabbit)	No data available
Acute toxicity	Data are conclusive but insufficient for classification.		
Skin corrosion/irritation	Data are conclusive but insufficient for classification.		
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.		
Respiratory or skin sensitization			

Respiratory sensitization	Data are conclusive but insufficient for classification.
Skin sensitization	Data are conclusive but insufficient for classification.
Germ cell mutagenicity	Data are conclusive but insufficient for classification.
Carcinogenicity	Data are conclusive but insufficient for classification.
Reproductive toxicity	Data are conclusive but insufficient for classification.
Specific target organ toxicity - single exposure	Data are conclusive but insufficient for classification.
Specific target organ toxicity - repeated exposure	Data are conclusive but insufficient for classification.
Aspiration hazard	Data are conclusive but insufficient for classification.
Chronic effects	No Data

12. Ecological information

Ecotoxicity	Hazardous to the Aquatic Environment.				
Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Microtox Data	log Pow
Nonidet P40 Ethylphenolpoly(ethyleneglycolether)	No data available.	No data available.	No data available.	No data available.	logPow3.7
Persistence and degradability	No data available.				
Bioaccumulative potential	No data available.				
Mobility in soil	No data available.				
Other adverse effects	Endocrine disrupting potential.				

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.


15. Regulatory information

US federal regulations	
SARA 313	
	This product contains the following toxic chemical(s) subject to the notification requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986. This law requires certain manufacturers to report on annual emissions of specified chemicals and chemical categories. Please note that if you repackage, or otherwise redistribute, this product to industrial

	customers, a notice similar to this one should be sent to those customers.		
Chemical Name	CAS No.	Weight-%	SARA 313 – Threshold Values
Nonidet P40 Ethylphenolpoly(ethyleneglycolether)	9016-45-9	7-10	1.0
Toxic Substances Control Act (TSCA)			
Nonidet P40 Ethylphenolpoly(ethyleneglycolether) 9016-45-9 (7-10)	Listed		
Other federal regulations			
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List			
	Does not contain HAPs.		
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)			
	Not regulated.		
Safe Drinking Water Act (SDWA)	Not regulated.		
US state regulations			
California Proposition 65			
	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov .		
WHMIS Hazard Class			
D2B - Toxic materials This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations(CPR)and the SDS contains all the information required by the CPR.			

16. Other information, including date of preparation or last revision	
Issue date	30-Jan-2026
Revision date	30-Jan-2026
Version #	01
HMIS® ratings	Health: 3 Flammability: 0 Physical hazard: 0
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available. Information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacturer/seller to ensure that the information contained in the material safety data sheet is relevant to the product manufactured/handled or sold by him, as the case may be. The government makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose.

1. Identification	
Product identifier	RNA Lysis Mix
Other means of identification	
Product code	200201
Recommended restrictions	None known
Manufacturer/Importer/Supplier/Distributor information	
	Mission Bio 300 Utah Ave South San Francisco, CA 94080 USA
Telephone number	+1 415-854-0058
E-mail	support@missionbio.com
Website	www.missionbio.com
Emergency telephone number	For Chemical Emergency, call: +1 415-854-0058

2. Hazard(s) identification		
OSHA defined hazards	GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)	
	Skin irritation	Category 2
	Eye irritation	Category 2A
	Respiratory sensitization	Category 1
	Specific target organ toxicity - single exposure	Category 3 (Respiratory system)
Label elements		
Hazard symbol		
Signal word	DANGER	
Hazard statement	H315 Causes skin irritation. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.	
Precautionary statement		
Prevention	P261 Avoid breathing dust. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ eye protection/ face protection. P285 In case of inadequate ventilation wear respiratory protection.	
Response	P302 + P352 IF ON SKIN: Wash with plenty of water. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.	
Storage	P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.	
Disposal	P501 Dispose of contents/ container to an approved waste disposal plant.	
Supplemental information	None.	

3. Composition/information on ingredients		
Chemical Name	CAS number	Weight %

4. First-aid measures

General advice	First aiders need to protect themselves. Show this safety data sheet to the doctor in attendance.
Inhalation	After inhalation: fresh air. Call in physician.
Skin contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Eye contact	After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.
Ingestion	After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.
Most important symptoms/effects, acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
Protection for first-aiders	For personal protection see section 8.
Notes to physician	No data available.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	No information available.
Specific hazards arising from the chemical	Combustible. Development of hazardous combustion gases or vapors possible in the event of fire.
Hazardous Combustion Products	Nature of decomposition products not known.
Fire fighting equipment/instructions	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
Further information	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: For personal protection see section 8.
Methods and materials for containment and cleaning up	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.
Environmental precautions	Do not let product enter drains.

7. Handling and storage

Precautions for safe handling	Work under hood. Do not inhale substance/mixture.
Conditions for safe storage, including any incompatibilities	Tightly closed. Dry. Keep locked up or in an area accessible only to qualified or authorized persons.
Storage class	11, Combustible Solids
Recommended storage temperature	-4 °F / -20 °C

8. Exposure controls/personal protection	
Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	No data available
Individual protection measures, such as personal protective equipment	
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Skin protection	Wear suitable protective clothing.
Hand protection	Wear appropriate chemical resistant gloves.
Skin protection Other	Wear suitable protective clothing.
Respiratory protection	Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Filter type P2
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance

9. Physical and chemical properties	
Appearance	
Form	Powder, (lyophilized)
Color	White
Odor	No data
Odor threshold	No data
pH	1
Melting point/freezing point	No data
Initial boiling point and boiling range	No data
Flash point	No data
Evaporation rate	No data
Flammability (solid, gas)	No data
Upper/lower flammability or explosive limits	Not available.
Explosive limit - lower (%)	No data
Explosive limit - upper (%)	No data
Vapor pressure	No data
Vapor density	No data
Relative density	No data
Solubility(ies)	
Solubility (water)	No data
Partition coefficient (n-octanol/water)	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Viscosity	No data
Other information	
Explosive properties	No data
Oxidizing properties	No data
Molecular weight	No data

10. Stability and reactivity	
Reactivity	The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Violent reactions possible with: Strong oxidizing agents
Conditions to avoid	No information available.
Incompatible materials	No data available
Hazardous decomposition products	In the event of fire: see section 5

11. Toxicological information	
Information on toxicological effects	
Acute toxicity	No data available.
Skin corrosion/irritation	Remarks: Causes skin irritation. Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)
Serious eye damage/eye irritation	Remarks: Causes serious eye irritation. Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)
Respiratory or skin sensitization	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)
Germ cell mutagenicity	No data available.
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	May cause respiratory irritation. Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional information	prolonged or repeated exposure can cause:, Asthma To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Lungs - Irregularities - Based on Human Evidence

12. Ecological information	
Ecotoxicity	No data available
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	
Ozone-Depletion Potential:	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

13. Disposal considerations	
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.

Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information	
DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable for product as supplied.

15. Regulatory information	
US federal regulations	
CERCLA Reportable Quantity	
This material does not contain any components with a CERCLA RQ.	
SARA 304 Extremely Hazardous Substances Reportable Quantity	
This material does not contain any components with a section 304 EHS RQ.	
SARA 302 Extremely Hazardous Substances Threshold Planning Quantity	
This material does not contain any components with a section 302 EHS TPQ.	
SARA 311/312 Hazards	Acute Health Hazard Chronic Health Hazard
SARA 313	
	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Toxic Substances Control Act (TSCA)	
	Not listed
Other federal regulations	
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	
	Does not contain HAPs.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	
	This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
Clean Water Act	This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307 This product does not contain any priority pollutants related to the U.S. Clean Water Act
US state regulations	
Massachusetts Right To Know	
Proteinase K	39450-01-6
Maine Chemicals of High Concern	
Proteinase K	39450-01-6
Vermont Chemicals of High Concern	
Proteinase K	39450-01-6
Washington Chemicals of High Concern	

16. Other information, including date of preparation or last revision	
Issue date	30-Jan-2026
Revision date	30-Jan-2026
Version #	01
HMIS® ratings	Health: 3 Flammability: 0 Physical hazard: 0
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available. Information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacturer/seller to ensure that the information contained in the material safety data sheet is relevant to the product manufactured/handled or sold by him, as the case may be. The government makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose.