

truCOVER total RNA Library Prep Kit

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard
 Issue date: 26Feb2026 Revision date: 23Feb2026



SECTION 1: Identification

1.1. Identification

Product form	: Mixture
Trade name	: truCOVER Total RNA Library Prep Kit
Product codes	: 520372A truCOVER Total RNA Library Prep Kit (96) Box A 520373A truCOVER Total RNA Library Prep Kit (24) Box A 191011 Reverse Transcriptase, 36 ul 191012 dNTP Mix, 55 uL 191014 Hexamer RT Primer, 30 uL 191015 Oligo(dT) Primer, 30 ul 191016 DTT, 20 ul 191017 Rnase Inhibitor, 20 ul 191018 Amplification Mix, 720 ul 191019 Sample ID Primer, 24plate 191021 Nuclease-free Water, 1.5 ml 191022 RNA Depletion Mix, 12 ul 191049 10X RT Buffer, 65 uL 191051 10X MgCl ₂ , 65 uL 191021 Nuclease-free Water, 1.5 ml 191023 Reverse Transcriptase, 150 ul 191024 dNTP Mix, 235 uL 191026 Hexamer RT Primer, 120 uL 191027 Oligo(dT) Primer, 120 ul 191028 DTT, 80ul 191029 Rnase Inhibitor, 96 ul 191030 Amplification Mix, 1440 ul 191031 Sample ID Primer, 96plate 191034 rRNA Depletion Mix, 120 ul 191050 10X RT Buffer, 250 uL 191052 10X MgCl ₂ , 250 uL

1.2. Recommended use and restrictions on use

Recommended use	: DNA Library, Scientific research and development
Restrictions on use	: Use only as directed.

1.3. Supplier

Covaris, LLC.
 14 Gill St., Unit H
 Woburn, MA 01801
 USA
 T +1 (781) 932-3959

1.4. Emergency telephone number

Emergency number	: Chemtrec (800) 424-9300
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SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not a hazardous substance or mixture

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2.2. GHS Label elements, including precautionary statements

GHS US labeling

Not a hazardous substance or mixture

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

No hazardous ingredients

Name	Chemical Name	CAS-No.	Concentration (% w/w)
191012 dNTP Mix, 55 uL 191014 Hexamer RT Primer, 30 uL 191015 Oligo(dT) Primer, 30 ul 191018 Amplification Mix, 720 ul 191019 Sample ID Primer, 24plate 191021 Nuclease-free Water, 1.5 ml 191022 RNA Depletion Mix, 12 ul 191049 10X RT Buffer, 65 uL 191051 10X MgCl2, 65 uL 191021 Nuclease-free Water, 1.5 ml 191024 dNTP Mix, 235 uL 191026 Hexamer RT Primer, 120 uL 191027 Oligo(dT) Primer, 120 ul 191030 Amplification Mix, 1440 ul 191031 Sample ID Primer, 96plate 191034 rRNA Depletion Mix, 120 ul 191050 10X RT Buffer, 250 uL 191052 10X MgCl2, 250 uL	No hazardous ingredients		
191016 DTT, 20 ul 191028 DTT, 80ul	(R*,R*)-1,4-dimercaptobutane-2,3-diol	3483-12-3	>= 1 -< 10
191011 Reverse Transcriptase, 36 ul 191017 Rnase Inhibitor, 20 ul 191023 Reverse Transcriptase, 150 ul 191029 Rnase Inhibitor, 96 ul	glycerol	56-81-5	>=50 - <70

3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria for section 3.2 of HCS

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation
- First-aid measures after skin contact
- : Move the affected person to fresh air. Get medical attention if symptoms occur.
- : Gently wash with plenty of soap and water. Get medical advice if skin irritation persists.

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First-aid measures after eye contact	: Rinse eyes with water as a precaution. Get medical attention if irritation develops and persists.
First-aid measures after ingestion	: If accidentally swallowed obtain immediate medical attention. Rinse mouth with water..

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: May cause slight temporary irritation.
Inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin	: May cause slight irritation to the skin.
Eyes	: May cause minor eye irritation.
Ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment, if necessary

Not required.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None.

5.2. Specific hazards arising from the chemical

Fire hazard	: This product is not classified as flammable or combustible.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon Oxides Sulpur Oxides

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear suitable protective clothing. Avoid contact with eyes, skin and clothing.
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6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

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

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

No additional information available

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling
- : Avoid contact with eyes, skin and clothing. Wash hands with water and soap. Ensure adequate ventilation.
- Hygiene measures
- : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions
- : Frozen -4F /-20C.
- Incompatible materials
- : None known.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Name	Chemical Name	CAS-No.		Control Parameters / Permissible Concentration	Basis
191012 dNTP Mix, 55 uL 191014 Hexamer RT Primer, 30 uL 191015 Oligo(dT) Primer, 30 ul 191017 Rnase Inhibitor, 20 ul 191018 Amplification Mix, 720 ul 191019 Sample ID Primer, 24plate 191021 Nuclease-free Water, 1.5 ml 191022 RNA Depletion Mix, 12 ul 191049 10X RT Buffer, 65 uL 191051 10X MgCl2, 65 uL 191021 Nuclease-free Water, 1.5 ml 191024 dNTP Mix, 235 uL 191026 Hexamer RT Primer, 120 uL 191027 Oligo(dT) Primer, 120 ul 191029 Rnase Inhibitor, 96 ul 191030 Amplification Mix, 1440 ul 191031 Sample ID Primer, 96plate 191034 rRNA Depletion Mix, 120 ul 191050 10X RT Buffer, 250 uL 191052 10X MgCl2, 250 uL	Contains no substances with occupational exposure limit values				
191016 DTT, 20 ul 191028 DTT, 80ul	(R*,R*)-1,4-dimercaptobutane-2,3-diol	3483-12-3			
191011 Reverse Transcriptase, 36 ul 191023 Reverse Transcriptase, 150 ul	glycerol	56-81-5	TWA (mist, respirable fraction)	5 mg/m3	OSHA Z-1
			TWA (mist, respirable fraction)	15 mg/m3	OSHA Z-1
			TWA (mist, total dust)	10 mg/m3	OSHA P0
			TWA (Mist - respirable fraction)	5 mg/m3	OSHA P0

8.2. Appropriate engineering controls

Appropriate engineering controls : No particular/specific measures required.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
No special protection required. Wear suitable gloves

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Eye protection:
None under normal use. Use suitable eye protection
Skin and body protection:
None under normal conditions
Respiratory protection:
Not required for normal conditions of use. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, colorless liquid.
Color	: Colorless
Odor	: None
Odor threshold	: No data available
pH	: ≈ 7-8
Melting point	: ≈ 32F / 0C
Freezing point	: ≈ 32F / 0C
Boiling point	: ≈ 212F /100C
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under recommended storage conditions.

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10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (R*,R*)-1,4-dimercaptobutane-2,3-diol: LD50 Oral (Rat): 400 mg/kg Glycerol: LD50 Oral (Rat): 12,000 mg/kg
Acute toxicity (dermal)	: Not classified Glycerol: LD50 Dermal (Rabbit): 10,000 mg/kg
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: ≈ 7-8
Serious eye damage/irritation	: Not classified pH: ≈ 7-8
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: May cause slight temporary irritation.
Inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin	: May cause slight irritation to the skin.
Eyes	: May cause minor eye irritation.
Ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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12.2. Persistence and degradability

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Dispose of in accordance with applicable federal, state, and local regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

DOT
Not regulated

TDG
Not regulated

IMDG
Not regulated

IATA
Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

Elution Buffer

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Revision date : 11/19/2024

Safety Data Sheet (SDS), USA

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.