

# truCOVER Total RNA Library Prep

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878  
Issue date: 26Feb2026 Revision date: 01Aug2026



### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product form  | : Mixture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Trade name    | : truCOVER Total RNA Library Prep Kit<br>truCOVER Total RNA Globin Depletion Module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product code  | : 520372A truCOVER Total RNA Library Prep Kit (96) Box A<br>520373A truCOVER Total RNA Library Prep Kit (24) Box A<br>520376 truCOVER Total RNA Globin Depletion Module (24)<br>520377 truCOVER Total RNA Globin Depletion Module (96)<br>191011 Reverse Transcriptase, 36 ul<br>191012 dNTP Mix, 55 uL<br>191014 Hexamer RT Primer, 30 uL<br>191015 Oligo(dT) Primer, 30 ul<br>191016 DTT, 20 ul<br>191017 Rnase Inhibitor, 20 ul<br>191018 Amplification Mix, 720 ul<br>191019 Sample ID Primer, 24plate<br>191021 Nuclease-free Water, 1.5 ml<br>191022 RNA Depletion Mix, 12 ul<br>191023 Reverse Transcriptase, 150 ul<br>191024 dNTP Mix, 235 uL<br>191026 Hexamer RT Primer, 120 uL<br>191027 Oligo(dT) Primer, 120 ul<br>191028 DTT, 80ul<br>191029 Rnase Inhibitor, 96 ul<br>191030 Amplification Mix, 1440 ul<br>191031 Sample ID Primer, 96plate<br>191034 rRNA Depletion Mix, 120 ul<br>191049 10X RT Buffer, 65 uL<br>191050 10X RT Buffer, 250 uL<br>191051 10X MgCl <sub>2</sub> , 65 uL<br>191052 10X MgCl <sub>2</sub> , 250 uL<br>191073 Globin mRNA Depletion Reagent, 40 ul |
| Product group | : Trade product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Uses advised against

|                     |                         |
|---------------------|-------------------------|
| Restrictions on use | : Use only as directed. |
|---------------------|-------------------------|

#### 1.3. Details of the supplier of the safety data sheet

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

#### 1.4. Emergency telephone number

|                  |                           |
|------------------|---------------------------|
| Emergency number | : Chemtrec (800) 424-9300 |
|------------------|---------------------------|

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| Country/Area   | Organisation/Company                                                         | Address                                  | Emergency number                                                                                       | Comment                              |
|----------------|------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                     | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |                                      |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH                   | 0344 892 0111                                                                                          | Only for healthcare<br>professionals |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Chemical Name                         | CAS-No.   | Concentration (% w/w) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------|-----------------------|
| 191012 dNTP Mix, 55 uL<br>191014 Hexamer RT Primer, 30 uL<br>191015 Oligo(dT) Primer, 30 ul<br>191018 Amplification Mix, 720 ul<br>191019 Sample ID Primer, 24plate<br>191021 Nuclease-free Water, 1.5 ml<br>191022 RNA Depletion Mix, 12 ul<br>191024 dNTP Mix, 235 uL<br>191026 Hexamer RT Primer, 120 uL<br>191027 Oligo(dT) Primer, 120 ul<br>191030 Amplification Mix, 1440 ul<br>191031 Sample ID Primer, 96plate<br>191034 rRNA Depletion Mix, 120 ul<br>191049 10X RT Buffer, 65 uL<br>191050 10X RT Buffer, 250 uL<br>191051 10X MgCl <sub>2</sub> , 65 uL<br>191052 10X MgCl <sub>2</sub> , 250 uL<br>191073 Globin mRNA Depletion Reagent, 40 ul | No hazardous ingredients              |           |                       |
| 191016 DTT, 20 ul<br>191028 DTT, 80ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (R*,R*)-1,4-dimercaptobutane-2,3-diol | 3483-12-3 | >= 1 -< 10            |
| 191011 Reverse Transcriptase, 36 ul<br>191017 Rnase Inhibitor, 20 ul<br>191023 Reverse Transcriptase, 150 ul<br>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 of section 3.2 of REACH Annex II

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                  |
|---------------------------------------|------------------------------------------------------------------|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water.                                |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.                         |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.           |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                  |                                          |
|------------------|------------------------------------------|
| Symptoms/effects | : May cause slight temporary irritation. |
|------------------|------------------------------------------|

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                              |                                                  |
|------------------------------|--------------------------------------------------|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--------------------------------------------------|

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### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 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".

### 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 : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
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.  
Storage conditions : Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Chemical Name                                                           | CAS-No.   |                                     | Control Parameters<br>/ Permissible<br>Concentration | Basis    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------|-------------------------------------|------------------------------------------------------|----------|
| 191012 dNTP Mix, 55 uL<br>191014 Hexamer RT Primer, 30 uL<br>191015 Oligo(dT) Primer, 30 ul<br>191017 Rnase Inhibitor, 20 ul<br>191018 Amplification Mix, 720 ul<br>191019 Sample ID Primer, 24plate<br>191021 Nuclease-free Water, 1.5 ml<br>191022 RNA Depletion Mix, 12 ul<br>191024 dNTP Mix, 235 uL<br>191026 Hexamer RT Primer, 120 uL<br>191027 Oligo(dT) Primer, 120 ul<br>191029 Rnase Inhibitor, 96 ul<br>191030 Amplification Mix, 1440 ul<br>191031 Sample ID Primer, 96plate<br>191034 rRNA Depletion Mix, 120 ul<br>191049 10X RT Buffer, 65 uL<br>191050 10X RT Buffer, 250 uL<br>191051 10X MgCl <sub>2</sub> , 65 uL<br>191052 10X MgCl <sub>2</sub> , 250 uL<br>191073 Globin mRNA Depletion<br>Reagent, 40 ul | Contains no<br>substances with<br>occupational<br>exposure limit values |           |                                     |                                                      |          |
| 191016 DTT, 20 ul<br>191028 DTT, 80ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (R*,R*)-1,4-<br>dimercaptobutane-<br>2,3-diol                           | 3483-12-3 |                                     |                                                      |          |
| 191011 Reverse Transcriptase, 36 ul<br>191023 Reverse Transcriptase, 150 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | glycerol                                                                | 56-81-5   | TWA (mist, respirable<br>fraction)  | 5 mg/m <sup>3</sup>                                  | OSHA Z-1 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |           | TWA (mist, respirable<br>fraction)  | 15 mg/m <sup>3</sup>                                 | OSHA Z-1 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |           | TWA (mist, total dust)              | 10 mg/m <sup>3</sup>                                 | OSHA P0  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |           | TWA (Mist - respirable<br>fraction) | 5 mg/m <sup>3</sup>                                  | OSHA P0  |

#### 8.2. Exposure controls

##### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Personal protection equipment

##### Personal protective equipment symbol(s):



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### Eye and face protection

#### Eye protection:

Safety glasses

### Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

### Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                                                       |
|-------------------------------------------------|-------------------------------------------------------|
| Physical state                                  | : Liquid                                              |
| Colour                                          | : Colourless.                                         |
| Appearance                                      | : Clear, colorless liquid.                            |
| Odour                                           | : None.                                               |
| Odour threshold                                 | : Not available                                       |
| Melting point                                   | : $\approx 32^{\circ}\text{F} / 0^{\circ}\text{C}$    |
| Freezing point                                  | : $\approx 32^{\circ}\text{F} / 0^{\circ}\text{C}$    |
| Boiling point                                   | : $\approx 212^{\circ}\text{F} / 100^{\circ}\text{C}$ |
| Flammability                                    | : Not applicable                                      |
| Lower explosion limit                           | : Not available                                       |
| Upper explosion limit                           | : Not available                                       |
| Flash point                                     | : Not available                                       |
| Auto-ignition temperature                       | : Not available                                       |
| Decomposition temperature                       | : Not available                                       |
| pH                                              | : $\approx 7-8$                                       |
| Viscosity, kinematic                            | : Not available                                       |
| Solubility                                      | : Not available                                       |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                                       |
| Vapour pressure                                 | : Not available                                       |
| Vapour pressure at $50^{\circ}\text{C}$         | : Not available                                       |
| Density                                         | : Not available                                       |
| Relative density                                | : Not available                                       |
| Relative vapour density at $20^{\circ}\text{C}$ | : Not available                                       |
| Particle characteristics                        | : Not applicable                                      |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable under normal 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 under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 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 hazard classes as defined in Regulation (EC) No 1272/2008

|                                   |                                                                                                                                  |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Acute toxicity (oral)             | : Not classified<br>(R*,R*)-1,4-dimercaptobutane-2,3-diol: LD50 Oral (Rat): 400 mg/kg<br>Glycerol: LD50 Oral (Rat): 12,000 mg/kg |
| Acute toxicity (dermal)           | : Not classified<br>Glycerol: LD50 Dermal (Rabbit): 10,000 mg/kg                                                                 |
| Acute toxicity (inhalation)       | : Not classified (Based on available data, the classification criteria are not met)                                              |
| Skin corrosion/irritation         | : Not classified (Based on available data, the classification criteria are not met)<br>pH: ≈ 7-8                                 |
| Serious eye damage/irritation     | : Not classified (Based on available data, the classification criteria are not met)<br>pH: ≈ 7-8                                 |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met)                                              |
| Germ cell mutagenicity            | : Not classified (Based on available data, the classification criteria are not met)                                              |
| Carcinogenicity                   | : Not classified (Based on available data, the classification criteria are not met)                                              |
| Reproductive toxicity             | : Not classified (Based on available data, the classification criteria are not met)                                              |
| STOT-single exposure              | : Not classified (Based on available data, the classification criteria are not met)                                              |
| STOT-repeated exposure            | : Not classified (Based on available data, the classification criteria are not met)                                              |
| Aspiration hazard                 | : Not classified (Based on available data, the classification criteria are not met)                                              |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                                                                                         |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified (Based on available data, the classification criteria are not met)                                     |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified (Based on available data, the classification criteria are not met)                                     |

### 12.2. Persistence and degradability

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

### 12.3. Bioaccumulative potential

No additional information available

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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|-----------------------------------------|---------------|---------------|---------------|---------------|
| <b>14.1. UN number or ID number</b>     |               |               |               |               |
| Not regulated for transport             |               |               |               |               |
| <b>14.2. UN proper shipping name</b>    |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |               |

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

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### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### National regulations

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

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

No additional information available

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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.