TECAN.

Safety Data Sheet

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

Date of issue: November 19, 2020

ReveloMSDS rev 1

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: Revelo RNA-Seq

Part Numbers: 30184147, 30184149, 30184151, 30184204

Contains the Following Components:

Component	30184147	30184149	30184151	30184204
DNase Buffer Mix, DB VER 2	S02280	S02294	S02457	S02457
HL-dsDNase	30184155	30184156	30184157	30184157
Strand Selection Reagent, SS7 VER 1	30184158	30184160	30184161	30184161
First Strand Primer Mix, A1 VER 4	S01262	S02295	S02460	S02460
First Strand Buffer Mix, A2 VER 13	S02282	S02296	S02459	S02459
First Strand Enzyme Mix, A3 VER 7	S02250	S02297	S02270	S02270
Second Strand Buffer Mix, B1 VER 3	S01132	S01192	S02461	S02461
Second Strand Enzyme Mix, B2 VER 2	S01126	S01193	S02462	S02462
SPIA Primer Mix, SP1 VER 1	30184176	30184178	S02401	S02401
SPIA Buffer Mix, SP2 VER 1	30184179	30184180	30184181	30184181
SPIA Enzyme Mix, SP3 VER 1	30184182	30184183	S02403	S02403
End Repair Buffer Mix, ER1 VER 3	30184184	30184185	S02404	S02404
End Repair Enzyme Mix, ER2 VER 4	S01510	30184186	S01909	S01909
End Repair Enhancer, ER3 VER 3	30184187	30184188	30184189	30184189
Ligation Buffer Mix, L1 VER 4	S01466	30184190	S01689	S01689
Ligation Enzyme Mix, L3 VER 4	30184191	S01467	S01535	S01535
Amplification Reagent I, AR1 VER 1	30184194	30184195	30184196	30184196
Amplification Reagent II, AR2 VER 1	30184200	30184201	30184202	30184202
Amplification Enzyme Mix, AR3 VER 1	30184197	30184198	30184199	30184199
DNA Resuspension Buffer Mix, DR1	S02287	S02303	S01901	S01901
Bead Binding Buffer Mix, BB VER 1	S02288	S02288	S02410	S02410
NuQuant Buffer	S02515	S02516	S02517	S02517

NuQuant Standard	S02512	S02512	S02512	S02512
Ligation Adapter Mix, L2V3DR-BC1	S02309	N/A	N/A	N/A
Ligation Adapter Mix, L2V23DR-BC2	S02310	N/A	N/A	N/A
Ligation Adapter Mix, L2V23DR-BC3	S02311	N/A	N/A	N/A
Ligation Adapter Mix, L2V23DR-BC4	S02312	N/A	N/A	N/A
Ligation Adapter Mix, L2V23DR-BC5	S02313	N/A	N/A	N/A
Ligation Adapter Mix, L2V23DR-BC6	S02314	N/A	N/A	N/A
Ligation Adapter Mix, L2V23DR-BC7	S02315	N/A	N/A	N/A
Ligation Adapter Mix, L2V23DR-BC8	S02316	N/A	N/A	N/A
32-Plex Adaptor Plate, L2V23DR-BC	N/A	S02317	N/A	N/A
96-Plex Adaptor Plate, L2V23DR-BC	N/A	N/A	S02477	N/A
96-Plex Unique Dual Index Adaptor Plate, L2V28	N/A	N/A	N/A	30184203

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 contributing to the classification:	Not applicable

2.4 UNKNOWN ACUTE TOXICITY

Other hazards not contributing to the classification:	None

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 inhalation:	Not an anticipated route of entry. Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if symptoms develop and persist.
First-aid measures after skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and 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.

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.

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 INCOMPATABILITIES

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	:	None under normal use conditions
Serious eye damage/irritation	:	None under normal use conditions
Respiratory or skin sensitization	:	None under normal use conditions
Germ cell mutagenicity	:	None under normal use conditions
Carcinogenicity	:	None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.
Reproductive toxicity	:	None under normal use conditions
STOT-single exposure	:	None under normal use conditions
STOT-repeated exposure	:	None under normal use conditions
Aspiration hazard	:	None under normal use conditions

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

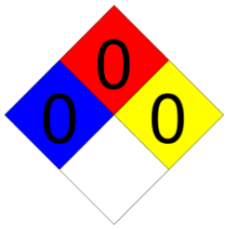
Transport document description : Not Regulated

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 Hazard:	0 Minimal Hazard - No significant risk to health.
HMIS Fire Hazard:	0 Minimal Hazard - Materials that will not burn
HMIS Reactivity	0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will 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.