



SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Europe

Rev A0: 13/08/2023

SECTION 1: Identification of the Substance and Company/Undertaking

1.1 Product Identifier

Product name:	egSEQ Universal Library Prep Kit	
Cat. No.	EG1001	
Specification	96rxn	
Component Cat. No.	EG100105	PCR Master Mix
	EG100101	End Repair & A-Tailing Buffer
	EG100102	End Repair & A-Tailing Enzyme Mix
	EG100103	Ligation Buffer
	EG100104	DNA Ligase

1.2 Relevant identified uses of the substance and uses advised against

Identified Uses:	Analytical reagent
Restricted Uses:	For research use only. Not available for diagnostic procedures.
Mixture supplied to that use in form of:	A mixture
Product Category by type of chemical:	Analytical reagent

1.3 Details of the supplier of the Safety data Sheet

Address:	Edinburgh Genetics Limited Pentlands Science Park, Penicuik, United Kingdom EH26 0PZ
Telephone Number:	+44 1312616686
Email Address:	info@eggenetics.com

1.4 Emergency Telephone: +44 1312616686

SECTION 2: Hazards Identification

2.1 Classification of the mixture

2.1.1 Emergency Overview	PCR Master Mix	Colourless, Liquid. H316-Causes mild skin irritation. H320-Causes eye irritation.
	End Repair & A-Tailing Buffer	
	End Repair & A-Tailing Enzyme Mix	
	Ligation Buffer	
	DNA Ligase	

2.1.2 Classification according to Regulation (EC) No 1272/2008 (including amendments):	PCR Master Mix	Skin corrosion/irritation-Category 3 Serious eye damage/eye irritation-Category 2B
	End Repair & A-Tailing Buffer	
	End Repair & A-Tailing Enzyme Mix	
	Ligation Buffer	
	DNA Ligase	

2.1.3 GHS Category:	PCR Master Mix	H316-Causes mild skin irritation. ---Skin corrosion/irritation-Category 3 H320-Causes eye irritation. ---Serious eye damage/eye irritation-Category 2B
	End Repair & A-Tailing Buffer	
	End Repair & A-Tailing Enzyme Mix	
	Ligation Buffer	
	DNA Ligase	

2.2 Label elements:

2.2 Hazard Pictogram:	PCR Master Mix	No Pictogram
	End Repair & A-Tailing Buffer	
	End Repair & A-Tailing Enzyme Mix	
	Ligation Buffer	
	DNA Ligase	

Signal word:	PCR Master Mix	Warning
	End Repair & A-Tailing Buffer	
	End Repair & A-Tailing Enzyme Mix	
	Ligation Buffer	
	DNA Ligase	
Hazard statements:	PCR Master Mix	H316-Causes mild skin irritation H320-Causes eye irritation.
	End Repair & A-Tailing Buffer	
	End Repair & A-Tailing Enzyme Mix	
	Ligation Buffer	
	DNA Ligase	
Response:	PCR Master Mix	P332 + P317-If skin irritation occurs: Get medical help. P305 + P351 + P338-If in eyes: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P317-If eye irritation persists: Get medical help.
	End Repair & A-Tailing Buffer	
	End Repair & A-Tailing Enzyme Mix	
	Ligation Buffer	
	DNA Ligase	
Prevention:	PCR Master Mix	P264-Wash hands thoroughly after operation
	End Repair & A-Tailing Buffer	
	End Repair & A-Tailing Enzyme Mix	
	Ligation Buffer	
	DNA Ligase	
Disposal:	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	
	End Repair & A-Tailing Enzyme Mix	
	Ligation Buffer	
	DNA Ligase	
Storage:	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	
	End Repair & A-Tailing Enzyme Mix	
	Ligation Buffer	
	DNA Ligase	

2.3 **Other Hazards:** N/A

2.4 **Additional Information:** N/A

SECTION 3: Composition / Information on Ingredients

3.1 Substances	PCR Master Mix	Mixture
	End Repair & A-Tailing Buffer	Mixture
	End Repair & A-Tailing Enzyme Mix	Mixture
	Ligation Buffer	Mixture
	DNA Ligase	Mixture

3.2 **Composition**

Product identifier type in accordance with Article 18(2) of Regulation (EC) No 1272/2008	Proportion	Identifiers	EC Number
PCR Master Mix			Classified 200-289-5
Glycerol	2 to 15	EC: 200-289-5 CAS: 56-81-5	Eye Irrit. 2, H319
2-Amino-2-hydroxymethyl-1,3-propanediol	1 to 5	EC: 201-064-4 CAS: 77-86-1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Ligation Buffer			
Dithiothreitol	0.01 to 0.5	EC: 248-531-9 CAS: 27565-41-9	Eye Irrit. 2, H319 Acute Tox. 4, H302 Skin Irrit. 2, H315 STOT SE 3, H335
DNA Ligase			
Glycerol	50 to 75	EC: 200-289-5 CAS: 56-81-5	Eye Irrit. 2, H319

SECTION 4: First-Aid Measures

4.1 Description of First Aid Measures

Ingestion:	Wash mouth with water. Move exposed person to fresh air. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs, keep the head down to avoid vomit entering the lungs. Get medical attention if adverse health effects persist or are severe.
Skin contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. Wash clothing before reuse. Clean shoes thoroughly before reuse.
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.
Inhalation:	Move exposed person to fresh air. Get medical attention if adverse health effects persist or are severe.
First Aider Protection:	None specific

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects:

PCR Master Mix	Causes mild skin irritation. Causes eye irritation.
End Repair & A-Tailing Buffer	Causes mild skin irritation. Causes eye irritation.
End Repair & A-Tailing Enzyme	Causes mild skin irritation. Causes eye irritation.
Ligation Buffer	Causes mild skin irritation. Causes eye irritation.
DNA Ligase	Causes mild skin irritation. Causes eye irritation.

Over-exposure signs/symptoms:

PCR Master Mix	Skin irritation and redness. Eye pain or irritation, tears and redness.
End Repair & A-Tailing Buffer	Skin irritation and redness. Eye pain or irritation, tears and redness.
End Repair & A-Tailing Enzyme	Skin irritation and redness. Eye pain or irritation, tears and redness.
Ligation Buffer	Skin irritation and redness. Eye pain or irritation, tears and redness.
DNA Ligase	Skin irritation and redness. Eye pain or irritation, tears and redness.

4.3 Indication of immediate medical attention and special treatment needed

Specific Treatments

PCR Master Mix	None Specific
End Repair & A-Tailing Buffer	None Specific
End Repair & A-Tailing Enzyme	None Specific
Ligation Buffer	None Specific
DNA Ligase	None Specific

Notes to Physician

PCR Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
End Repair & A-Tailing Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
End Repair & A-Tailing Enzyme	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Ligation Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
DNA Ligase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

No action shall be taken involving any personal risk or without suitable training.

SECTION 5: Fire-Fighting Measures

- 5.1 **Extinguishing media (small and large fires)**
- Small Fire:** Use an extinguishing agent suitable for the surrounding fire.
- Large Fire:** Use an extinguishing agent suitable for the surrounding fire.
- Avoid:** None
- 5.2.1 **Specific Hazards:** In a fire or if heated, a pressure increase will occur and the container may burst
- 5.2.2 **Protective equipment and advice for fire fighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental Release Measures

- 6.1 **Personal precautions, protective equipment and emergency measures**
- 6.1.1 **For non-emergency personnel:**
- PCR Master Mix No action shall be taken involving any personal risk or without suitable training.
- End Repair & A-Tailing Buffer Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
- End Repair & A-Tailing Enzyme
- Ligation Buffer
- DNA Ligase
- 6.1.2 **For emergency responders:**
- PCR Master Mix If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
- End Repair & A-Tailing Buffer
- End Repair & A-Tailing Enzyme
- Ligation Buffer
- DNA Ligase
- 6.2 **Environmental Precautions:**
- PCR Master Mix
- End Repair & A-Tailing Buffer Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- End Repair & A-Tailing Enzyme
- Ligation Buffer
- DNA Ligase
- 6.3 **Methods and materials for containment and cleaning up:**
- PCR Master Mix
- End Repair & A-Tailing Buffer Stop leak if without risk. Move containers from spill area. Dilute with water and mop up. Dispose of via a licensed waste disposal contractor.
- End Repair & A-Tailing Enzyme
- Ligation Buffer
- DNA Ligase

SECTION 7: Handling and Storage

- 7.1 **Precautions for safe handling**
- PCR Master Mix Put on appropriate personal protective equipment (see Section 8). Do not ingest.
- End Repair & A-Tailing Buffer Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- End Repair & A-Tailing Enzyme
- Ligation Buffer
- DNA Ligase
- 7.2 **Conditions for safe storage, including any incompatibilities:**
- PCR Master Mix Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
- End Repair & A-Tailing Buffer
- End Repair & A-Tailing Enzyme
- Ligation Buffer
- DNA Ligase
- 7.3 **Specific end use(s) recommendations:**
- PCR Master Mix
- End Repair & A-Tailing Buffer
- End Repair & A-Tailing Enzyme Industrial applications, Professional applications.
- Ligation Buffer
- DNA Ligase

SECTION 8: Exposure Controls/Personal Protection

8.1

Control Parameters		
Product/ingredient name	Component in the Kit	Exposure limit values
PCR Master Mix	N/A	N/A
End Repair & A-Tailing Buffer	N/A	N/A
End Repair & A-Tailing Enzyme Mix	N/A	N/A
Ligation Buffer	N/A	N/A
DNA Ligase	N/A	N/A

8.2

Exposure controls	
Appropriate engineering controls:	If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Respiratory protection:	Wear medical protective mask.
Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products.
Eye protection:	If contact is possible, the following protection should be worn: chemical splash goggles and/or face shield.
Skin protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Generally, it is recommended to wear a white coat, disposable head cover and disposable shoe cover for protection.
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and Chemical Properties

9.1

Information on basic physical and chemical properties

Physical State:

PCR Master Mix	Liquid
End Repair & A-Tailing Buffer	Liquid
End Repair & A-Tailing Enzyme Mix	Liquid
Ligation Buffer	Liquid
DNA Ligase	Liquid

9.2

Colour:

PCR Master Mix	Coulourless
End Repair & A-Tailing Buffer	Coulourless
End Repair & A-Tailing Enzyme Mix	Coulourless
Ligation Buffer	Coulourless
DNA Ligase	Coulourless

9.3

Odour:

PCR Master Mix	Irritating odour
End Repair & A-Tailing Buffer	Odourless
End Repair & A-Tailing Enzyme Mix	Odourless
Ligation Buffer	Odourless
DNA Ligase	Odourless

9.4

Odour threshold:

PCR Master Mix	N/A
End Repair & A-Tailing Buffer	N/A
End Repair & A-Tailing Enzyme Mix	N/A
Ligation Buffer	N/A
DNA Ligase	N/A

9.5

pH:

PCR Master Mix	7.5
End Repair & A-Tailing Buffer	7.6
End Repair & A-Tailing Enzyme Mix	N/A
Ligation Buffer	7.5
DNA Ligase	N/A

9.6

Melting/Freezing point:

PCR Master Mix	N/A
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	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A
9.7	Initial boiling point and boiling range:	
	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A
9.8	Flash point:	
	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A
9.9	Evaporation rate:	
	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A
9.1	Flammability:	
	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A
9.11	Upper/lower flammability or explosive limits:	
	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A
9.12	Vapour pressure:	
	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A
9.13	Vapour density	
	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A
9.14	Relative vapour density (air=1):	
	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A
9.15	Solubility:	
	PCR Master Mix	Soluble in water
	End Repair & A-Tailing Buffer	Soluble in water
	End Repair & A-Tailing Enzyme	Soluble in water
	Ligation Buffer	Soluble in water
	DNA Ligase	Soluble in water
9.16	Partition coefficient (n-octanol/water):	
	PCR Master Mix	N/A

	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A
9.17	Auto-ignition temperature:	
	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A
9.18	Decomposition temperature:	
	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A
9.19	Viscosity:	
	PCR Master Mix	N/A
	End Repair & A-Tailing Buffer	N/A
	End Repair & A-Tailing Enzyme	N/A
	Ligation Buffer	N/A
	DNA Ligase	N/A

SECTION 10: Stability and Reactivity

10.1	Reactivity:	
	PCR Master Mix	Stable
	End Repair & A-Tailing Buffer	Stable
	End Repair & A-Tailing Enzyme	Stable
	Ligation Buffer	Stable
	DNA Ligase	Stable
10.2	Chemical stability:	
	PCR Master Mix	Stable
	End Repair & A-Tailing Buffer	Stable
	End Repair & A-Tailing Enzyme	Stable
	Ligation Buffer	Stable
	DNA Ligase	Stable
10.3	Possibility of hazardous reactions:	
	PCR Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
	End Repair & A-Tailing Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
	End Repair & A-Tailing Enzyme	Under normal conditions of storage and use, hazardous reactions will not occur.
	Ligation Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
	DNA Ligase	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4	Conditions to Avoid:	
	PCR Master Mix	No specific data
	End Repair & A-Tailing Buffer	No specific data
	End Repair & A-Tailing Enzyme	No specific data
	Ligation Buffer	No specific data
	DNA Ligase	No specific data
10.5	Incompatible materials:	
	PCR Master Mix	No specific data
	End Repair & A-Tailing Buffer	No specific data
	End Repair & A-Tailing Enzyme	No specific data
	Ligation Buffer	No specific data
	DNA Ligase	No specific data

10.6	Hazardous decomposition products:	
	PCR Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	End Repair & A-Tailing Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	End Repair & A-Tailing Enzyme	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Ligation Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	DNA Ligase	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:

Product/ingredient name	Result	Species	Dose	Exposure
PCR Master Mix				
Glycerol	LD50 Oral	Rat	12600 mg/kg	/
2-Amino-2-hydroxymethyl-1,3-propanediol	LD50 Skin	Rat	>5000 mg/kg	
Ligation Buffer			333 mg/kg	
Dithiothreitol	LD50 Skin	Mouse	12600 mg/kg	/
DNA Ligase				
Glycerol	LD50 Oral	Rat	12600 mg/kg	/

11.2 Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure
PCR Master Mix			
Glycerol	Eyes - mild irritant	N/A	N/A
2-Amino-2-hydroxymethyl-1,3-propanediol	Skin - mild irritant		
Ligation Buffer			
Dithiothreitol	N/A	N/A	N/A
DNA Ligase			
Glycerol	Eyes - mild irritant	Rabbit	24 h 500 mg
	Skin - Mild irritant	Rabbit	24 h 500 mg

11.3 Sensitiser

PCR Master Mix	N/A
End Repair & A-Tailing Buffer	N/A
End Repair & A-Tailing Enzyme	N/A
Ligation Buffer	N/A
DNA Ligase	N/A

11.4 Mutagenicity:

PCR Master Mix	N/A
End Repair & A-Tailing Buffer	N/A
End Repair & A-Tailing Enzyme	N/A
Ligation Buffer	N/A
DNA Ligase	N/A

11.5 Carcinogenicity:

PCR Master Mix	N/A
End Repair & A-Tailing Buffer	N/A
End Repair & A-Tailing Enzyme	N/A
Ligation Buffer	N/A
DNA Ligase	N/A

11.6 Reproductive toxicity:

PCR Master Mix	N/A
End Repair & A-Tailing Buffer	N/A
End Repair & A-Tailing Enzyme	N/A
Ligation Buffer	N/A
DNA Ligase	N/A

11.7 Specific target organ toxicity (single exposure):

PCR Master Mix	N/A
End Repair & A-Tailing Buffer	N/A

End Repair & A-Tailing Enzyme N/A
 Ligation Buffer N/A
 DNA Ligase N/A

11.8 **Specific target organ toxicity (repeated exposure):**
 PCR Master Mix N/A
 End Repair & A-Tailing Buffer N/A
 End Repair & A-Tailing Enzyme N/A
 Ligation Buffer N/A
 DNA Ligase N/A

11.9 **Aspiration hazard:**
 PCR Master Mix N/A
 End Repair & A-Tailing Buffer N/A
 End Repair & A-Tailing Enzyme N/A
 Ligation Buffer N/A
 DNA Ligase N/A

SECTION 12: Ecological Information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
PCR Master Mix			
Glycerol	Acute LC50 54000 mg/L Fresh water	Fish - Oncorhynchus mykiss	96h
2-Amino-2-hydroxymethyl-1,3-propanediol	Acute EC50 >980 mg/L Fresh water	Daphnia	48h
	Acute NOEC 520 mg/L Fresh water	Daphnia	48h
Ligation Buffer			
Dithiothreitol	N/A	N/A	N/A
DNA Ligase			
Glycerol	Acute LC50 54000 mg/L Fresh water	Fish - Oncorhynchus mykiss	96h

12.2 **Persistence and degradability:** N/A
 12.3 **Bioaccumulative potential:** N/A
 12.4 **Mobility in soil:** N/A
 12.5 **Results of PBT and vPvB assessment:** N/A
 12.6 **Other adverse effects:** N/A

SECTION 13: Disposal Considerations

13.1 **Waste treatment methods:** The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport Information

14.1 **Precautions for transportation :** Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: Regulatory Information

Nation	Regulation	Information
International	Chemical Weapon Convention List Schedules I, II & III Chemicals	Not listed.
International	Montreal Protocol (Annexes A, B, C, E)	Not listed.
International	Stockholm Convention on Persistent Organic Pollutants	Not listed.
International	Rotterdam Convention on Prior Inform Consent (PIC)	Not listed.
International	UNECE Aarhus Protocol on POPs and Heavy Metals	Not listed.
Europe	Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH)	All components are not listed in the list.

United States	Toxic Substances Control Act (TSCA)	Not listed.
United States	TSCA Chemical Substance Inventory	All components are not listed in the list.
Japan	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	All components are not listed in the list.
Turkey	Regulation on the Export and Import of Certain Hazardous Chemicals	All components are not listed in the list.
Turkey	Regulation of Registration, Evaluation, Authorization, and Restriction of Chemicals (KKDIK)	All components are not listed in the list.
China	Inventory of the Existing Chemical Substances in China (IECSC)	All components are listed or exempted.
China	Provisions on Environmental Administration of New Chemical Substances	Not listed.
China	Regulations on Safe Management of Hazardous Chemicals in China	Not listed.
China	Catalog of Hazardous Chemicals	All components are not listed in the list.
China	Catalog of Goods Prohibited from Import	All components are not listed in the list.
China	Catalog of Goods Prohibited from Export	All components are not listed in the list.
China	China Inventory of Severely Restricted Toxic Chemicals	All components are not listed in the list.

SECTION 16: Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Edinburgh Genetics Limited and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. ©2023 Edinburgh Genetics Ltd. All rights reserved.