

SAFETY DATA SHEET



SureGuide GeCKO v2.0 Mouse Exome CRISPR Library, Part Number G7554A

Section 1. Identification

Product identifier	: SureGuide GeCKO v2.0 Mouse Exome CRISPR Library, Part Number G7554A
Part No. (Chemical Kit)	: G7554A
Part No.	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A 5190-9521
	: SureGuide pSGLenti GeCKO v2.0 Library MuEx B 5190-9522
	: SureGuide pSGLenti CRISPR Control Plasmid (Mouse) 5190-9525

Relevant identified uses of the substance or mixture and uses advised against

Analytical reagent.

SureGuide pSGLenti GeCKO v2.0 Library MuEx A	4 x 0.025 ml
SureGuide pSGLenti GeCKO v2.0 Library MuEx B	4 x 0.025 ml
SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	0.025 ml

Supplier/Manufacturer	: Agilent Technologies Australia Pty Ltd 679 Springvale Road Mulgrave Victoria 3170, Australia 1800 802 402
------------------------------	---

Emergency telephone number (with hours of operation)	: CHEMTREC®: (61)-290372994
---	-----------------------------

Section 2. Hazard(s) identification

Classification of the substance or mixture

Not classified.

GHS label elements

Signal word	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	No signal word.
	: SureGuide pSGLenti GeCKO v2.0 Library MuEx B	No signal word.
	: SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No signal word.
Hazard statements	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	No known significant effects or critical hazards.
	: SureGuide pSGLenti GeCKO v2.0 Library MuEx B	No known significant effects or critical hazards.
	: SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No known significant effects or critical hazards.
Precautionary statements		
Prevention	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	Not applicable.
	: SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Not applicable.
	: SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Not applicable.

Section 2. Hazard(s) identification

Response	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Not applicable. Not applicable. Not applicable.
Storage	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Not applicable. Not applicable. Not applicable.
Disposal	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Not applicable. Not applicable. Not applicable.
Supplemental label elements	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Not applicable. Not applicable. Not applicable.
Other hazards which do not result in classification	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	None known. None known. None known.

Section 3. Composition and ingredient information

Substance/mixture	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Mixture Mixture Mixture
--------------------------	---	-------------------------------

CAS number/other identifiers

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Section 4. First aid measures

Eye contact	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx B	
Inhalation	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx B	
Skin contact	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx B	
Ingestion	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx B	
<u>Over-exposure signs/symptoms</u>		
Eye contact	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx B	
Inhalation	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx B	
Skin contact	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx B	
Ingestion	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx B	

Indication of immediate medical attention and special treatment needed, if necessary

Section 4. First aid measures

Notes to physician	:	SureGuide pSGLenti GeCKO v2.0 Library MuEx A	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	SureGuide pSGLenti GeCKO v2.0 Library MuEx A	No specific treatment.
		SureGuide pSGLenti GeCKO v2.0 Library MuEx B	No specific treatment.
		SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No specific treatment.
Protection of first-aiders	:	SureGuide pSGLenti GeCKO v2.0 Library MuEx A	No action shall be taken involving any personal risk or without suitable training.
		SureGuide pSGLenti GeCKO v2.0 Library MuEx B	No action shall be taken involving any personal risk or without suitable training.
		SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media	:	SureGuide pSGLenti GeCKO v2.0 Library MuEx A	Use an extinguishing agent suitable for the surrounding fire.
		SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Use an extinguishing agent suitable for the surrounding fire.
		SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	SureGuide pSGLenti GeCKO v2.0 Library MuEx A	None known.
		SureGuide pSGLenti GeCKO v2.0 Library MuEx B	None known.
		SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	None known.
Specific hazards arising from the chemical	:	SureGuide pSGLenti GeCKO v2.0 Library MuEx A	In a fire or if heated, a pressure increase will occur and the container may burst.
		SureGuide pSGLenti GeCKO v2.0 Library MuEx B	In a fire or if heated, a pressure increase will occur and the container may burst.
		SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	SureGuide pSGLenti GeCKO v2.0 Library MuEx A	No specific data.
		SureGuide pSGLenti GeCKO v2.0 Library MuEx B	No specific data.
		SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No specific data.

Section 5. Firefighting measures

Special protective actions for fire-fighters	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	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.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	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.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	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.
Special protective equipment for fire-fighters	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	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

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	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.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	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.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	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.
For emergency responders	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Section 6. Accidental release measures

Environmental precautions	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	Avoid dispersal of spilt 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).
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Avoid dispersal of spilt 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).
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Avoid dispersal of spilt 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).

Methods and material for containment and cleaning up

Methods for cleaning up	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Protective measures	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	Put on appropriate personal protective equipment (see Section 8).
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Put on appropriate personal protective equipment (see Section 8).
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	SureGuide pSGLenti CRISPR Control Plasmid	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and

Section 7. Handling and storage

(Mouse)

processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

: SureGuide pSGLenti
GeCKO v2.0 Library MuEx A

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

SureGuide pSGLenti
GeCKO v2.0 Library MuEx B

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

SureGuide pSGLenti
CRISPR Control Plasmid
(Mouse)

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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 8. Exposure controls and personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body 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.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

- Physical state** : SureGuide pSGLenti Liquid.
GeCKO v2.0 Library MuEx A
SureGuide pSGLenti Liquid.
GeCKO v2.0 Library MuEx B
SureGuide pSGLenti Liquid.
CRISPR Control Plasmid
(Mouse)
- Colour** : SureGuide pSGLenti Not available.
GeCKO v2.0 Library MuEx A
SureGuide pSGLenti Not available.
GeCKO v2.0 Library MuEx B
SureGuide pSGLenti Not available.
CRISPR Control Plasmid
(Mouse)
- Odour** : SureGuide pSGLenti Not available.
GeCKO v2.0 Library MuEx A
SureGuide pSGLenti Not available.
GeCKO v2.0 Library MuEx B
SureGuide pSGLenti Not available.
CRISPR Control Plasmid
(Mouse)
- Odour threshold** : SureGuide pSGLenti Not available.
GeCKO v2.0 Library MuEx A
SureGuide pSGLenti Not available.
GeCKO v2.0 Library MuEx B
SureGuide pSGLenti Not available.
CRISPR Control Plasmid
(Mouse)
- pH** : SureGuide pSGLenti 7
GeCKO v2.0 Library MuEx A
SureGuide pSGLenti 7
GeCKO v2.0 Library MuEx B
SureGuide pSGLenti 7
CRISPR Control Plasmid
(Mouse)

Section 9. Physical and chemical properties

Melting point	: SureGuide pSGLenti	0°C (32°F)
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	0°C (32°F)
	GeCKO v2.0 Library MuEx B	
Boiling point	: SureGuide pSGLenti	100°C (212°F)
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	100°C (212°F)
	GeCKO v2.0 Library MuEx B	
Flash point	: SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library MuEx B	
Evaporation rate	: SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library MuEx B	
Flammability (solid, gas)	: SureGuide pSGLenti	Not applicable.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	Not applicable.
	GeCKO v2.0 Library MuEx B	
Lower and upper explosive (flammable) limits	: SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library MuEx B	
Vapour pressure	: SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library MuEx B	
Vapour density	: SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	Not available.
	GeCKO v2.0 Library MuEx B	

Section 9. Physical and chemical properties

Relative density	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Not available. Not available. Not available.
Solubility	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Not available. Not available. Not available.
Auto-ignition temperature	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Not available. Not available. Not available.
Decomposition temperature	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Not available. Not available. Not available.
Viscosity	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Not available. Not available. Not available.

Section 10. Stability and reactivity

Reactivity	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A SureGuide pSGLenti GeCKO v2.0 Library MuEx B SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	The product is stable. The product is stable. The product is stable.

Section 10. Stability and reactivity

Possibility of hazardous reactions	: SureGuide pSGLenti	Under normal conditions of storage and use, hazardous reactions will not occur.
	GeCKO v2.0 Library MuEx A	Under normal conditions of storage and use, hazardous reactions will not occur.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Under normal conditions of storage and use, hazardous reactions will not occur.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx A	No specific data.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	No specific data.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No specific data.
Incompatible materials	: SureGuide pSGLenti	May react or be incompatible with oxidising materials.
	GeCKO v2.0 Library MuEx A	May react or be incompatible with oxidising materials.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	May react or be incompatible with oxidising materials.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	May react or be incompatible with oxidising materials.
Hazardous decomposition products	: SureGuide pSGLenti	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	GeCKO v2.0 Library MuEx A	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitisation

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Section 11. Toxicological information

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	Not available.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	Not available.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	Not available.

Potential acute health effects

Eye contact	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	No known significant effects or critical hazards.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	No known significant effects or critical hazards.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No known significant effects or critical hazards.
Inhalation	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	No known significant effects or critical hazards.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	No known significant effects or critical hazards.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No known significant effects or critical hazards.
Skin contact	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	No known significant effects or critical hazards.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	No known significant effects or critical hazards.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No known significant effects or critical hazards.
Ingestion	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	No known significant effects or critical hazards.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	No known significant effects or critical hazards.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	No specific data.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	No specific data.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No specific data.
Inhalation	: SureGuide pSGLenti GeCKO v2.0 Library MuEx A	No specific data.
	SureGuide pSGLenti GeCKO v2.0 Library MuEx B	No specific data.
	SureGuide pSGLenti CRISPR Control Plasmid (Mouse)	No specific data.

Section 11. Toxicological information

Skin contact	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx B	
	SureGuide pSGLenti	No specific data.
	CRISPR Control Plasmid (Mouse)	
Ingestion	: SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No specific data.
	GeCKO v2.0 Library MuEx B	
	SureGuide pSGLenti	No specific data.
	CRISPR Control Plasmid (Mouse)	

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx B	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Mouse)	
Carcinogenicity	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx B	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Mouse)	
Mutagenicity	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx B	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Mouse)	
Teratogenicity	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx B	
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Mouse)	

Section 11. Toxicological information

Developmental effects	: SureGuide pSGLenti	No known significant effects or critical hazards.
	GeCKO v2.0 Library MuEx A	
	SureGuide pSGLenti	No known significant effects or critical hazards.
Fertility effects	GeCKO v2.0 Library MuEx B	No known significant effects or critical hazards.
	SureGuide pSGLenti	No known significant effects or critical hazards.
	CRISPR Control Plasmid (Mouse)	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal 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

Regulatory information

ADG / IMDG / IATA : Not regulated as Dangerous Goods according to the ADG Code .

Special precautions for user : **Transport within user's premises:** 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.

Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

Australia inventory (AICS) : All components are listed or exempted.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists

National inventory

- Canada** : All components are listed or exempted.
China : All components are listed or exempted.
Europe : All components are listed or exempted.
Japan : **Japan inventory (ENCS):** All components are listed or exempted.
Japan inventory (ISHL): Not determined.
Malaysia : Not determined.
New Zealand : All components are listed or exempted.
Philippines : All components are listed or exempted.
Republic of Korea : All components are listed or exempted.
Taiwan : All components are listed or exempted.
Turkey : Not determined.
United States : All components are listed or exempted.

Section 16. Any other relevant information

History

Date of issue/Date of revision : 05/01/2017

Date of previous issue : 14/09/2016.

Version : 2

Key to abbreviations

: ADG = Australian Dangerous Goods
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 NOHSC = National Occupational Health and Safety Commission
 SUSMP = Standard Uniform Schedule of Medicine and Poisons
 UN = United Nations

Procedure used to derive the classification

Classification	Justification
Not classified.	

References : Not available.

✔ Indicates information that has changed from previously issued version.

Notice to reader

Disclaimer: The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.