

SAFETY DATA SHEET

Agilent Technologies

PathDetect GRE cis Reporting System, Part Number 240133

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

1.1 Product identifier

Product name

Part no. (chemical kit)

Part no.

PathDetect GRE cis Reporting System, Part Number 240133

240133

pGRE-Luc Plasmid

pCIS-CK Negative Control Plasmid

240134-51

219090-51

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

Identified uses

Uses advised against

Analytical reagent.

pGRE-Luc Plasmid

pCIS-CK Negative Control Plasmid

0.05 ml (50 µg

1 µg/µl)

None known.

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG

Hewlett-Packard-Str. 8

76337 Waldbronn

Germany

0800 603 1000

e-mail address of person responsible for this SDS

pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation)

CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	:	pGRE-Luc Plasmid	Mixture
		pCIS-CK Negative	Mixture
		Control Plasmid	

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

Not classified.

pGRE-Luc Plasmid	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
pCIS-CK Negative Control Plasmid	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word	:	pGRE-Luc Plasmid	No signal word.
		pCIS-CK Negative	No signal word.
		Control Plasmid	

Hazard statements	:	pGRE-Luc Plasmid	No known significant effects or critical hazards.
		pCIS-CK Negative	No known significant effects or critical hazards.
		Control Plasmid	

SECTION 2: Hazards identification

Precautionary statements

Prevention	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not applicable. Not applicable.
Response	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not applicable. Not applicable.
Storage	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not applicable. Not applicable.
Disposal	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not applicable. Not applicable.
Supplemental label elements	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not applicable. Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not applicable. Not applicable.

Special packaging requirements

Tactile warning of danger	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not applicable. Not applicable.
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2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	None known. None known.

SECTION 3: Composition/information on ingredients

3.1 Substances	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Mixture Mixture
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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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	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. 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.
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SECTION 4: First aid measures

Inhalation	: pGRE-Luc Plasmid	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pCIS-CK Negative Control Plasmid	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: pGRE-Luc Plasmid	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pCIS-CK Negative Control Plasmid	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: pGRE-Luc Plasmid	Wash out mouth with water. 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.
	pCIS-CK Negative Control Plasmid	Wash out mouth with water. 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.
Protection of first-aiders	: pGRE-Luc Plasmid	No action shall be taken involving any personal risk or without suitable training.
	pCIS-CK Negative Control Plasmid	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	: pGRE-Luc Plasmid	No known significant effects or critical hazards.
	pCIS-CK Negative Control Plasmid	No known significant effects or critical hazards.
Inhalation	: pGRE-Luc Plasmid	No known significant effects or critical hazards.
	pCIS-CK Negative Control Plasmid	No known significant effects or critical hazards.
Skin contact	: pGRE-Luc Plasmid	No known significant effects or critical hazards.
	pCIS-CK Negative Control Plasmid	No known significant effects or critical hazards.
Ingestion	: pGRE-Luc Plasmid	No known significant effects or critical hazards.
	pCIS-CK Negative Control Plasmid	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: pGRE-Luc Plasmid	No specific data.
	pCIS-CK Negative Control Plasmid	No specific data.
Inhalation	: pGRE-Luc Plasmid	No specific data.
	pCIS-CK Negative Control Plasmid	No specific data.
Skin contact	: pGRE-Luc Plasmid	No specific data.
	pCIS-CK Negative Control Plasmid	No specific data.
Ingestion	: pGRE-Luc Plasmid	No specific data.
	pCIS-CK Negative Control Plasmid	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 4: First aid measures

Notes to physician	: pGRE-Luc Plasmid	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	pCIS-CK Negative Control Plasmid	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: pGRE-Luc Plasmid	No specific treatment.
	pCIS-CK Negative Control Plasmid	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: pGRE-Luc Plasmid	Use an extinguishing agent suitable for the surrounding fire.
	pCIS-CK Negative Control Plasmid	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: pGRE-Luc Plasmid	None known.
	pCIS-CK Negative Control Plasmid	None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: pGRE-Luc Plasmid	In a fire or if heated, a pressure increase will occur and the container may burst.
	pCIS-CK Negative Control Plasmid	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	: pGRE-Luc Plasmid	No specific data.
	pCIS-CK Negative Control Plasmid	No specific data.

5.3 Advice for firefighters

Special precautions for fire-fighters	: pGRE-Luc Plasmid	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.
	pCIS-CK Negative Control Plasmid	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	: pGRE-Luc Plasmid	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	pCIS-CK Negative Control Plasmid	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: pGRE-Luc Plasmid	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.
	pCIS-CK Negative Control Plasmid	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.

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SECTION 6: Accidental release measures

For emergency responders	: pGRE-Luc Plasmid	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".
	pCIS-CK Negative Control Plasmid	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".
6.2 Environmental precautions	: pGRE-Luc Plasmid	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).
	pCIS-CK Negative Control Plasmid	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).
6.3 Methods and material for containment and cleaning up		
Methods for cleaning up	: pGRE-Luc Plasmid	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.
	pCIS-CK Negative Control Plasmid	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.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.	

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures	: pGRE-Luc Plasmid	Put on appropriate personal protective equipment (see Section 8).
	pCIS-CK Negative Control Plasmid	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: pGRE-Luc Plasmid	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.
	pCIS-CK Negative Control Plasmid	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.

7.2 Conditions for safe storage, including any incompatibilities

Storage :

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SECTION 7: Handling and storage

pGRE-Luc Plasmid

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. See Section 10 for incompatible materials before handling or use.

pCIS-CK Negative Control Plasmid

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. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Industrial applications, Professional applications. Industrial applications, Professional applications.
Industrial sector specific solutions	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not available. Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Biological exposure indices

None known.

Recommended monitoring procedures

: Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

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

Individual protection measures

SECTION 8: Exposure controls/personal protection

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.
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.
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

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	pGRE-Luc Plasmid	Liquid.
		pCIS-CK Negative	Liquid.
		Control Plasmid	
Colour	:	pGRE-Luc Plasmid	Not available.
		pCIS-CK Negative	Not available.
		Control Plasmid	
Odour	:	pGRE-Luc Plasmid	Not available.
		pCIS-CK Negative	Not available.
		Control Plasmid	
Odour threshold	:	pGRE-Luc Plasmid	Not available.
		pCIS-CK Negative	Not available.
		Control Plasmid	
Melting point/freezing point	:	pGRE-Luc Plasmid	0°C
		pCIS-CK Negative	0°C
		Control Plasmid	
Initial boiling point and boiling range	:	pGRE-Luc Plasmid	100°C
		pCIS-CK Negative	100°C
		Control Plasmid	
Flammability	:	pGRE-Luc Plasmid	Not applicable.
		pCIS-CK Negative	Not applicable.
		Control Plasmid	
Upper/lower flammability or explosive limits	:	pGRE-Luc Plasmid	Not available.
		pCIS-CK Negative	Not available.
		Control Plasmid	

SECTION 9: Physical and chemical properties

Flash point	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not available. Not available.																											
Auto-ignition temperature	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not available. Not available.																											
Decomposition temperature	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not available. Not available.																											
pH	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	7.5 7.5																											
Viscosity	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not available. Not available.																											
Solubility(ies)	: <table><tr><th>Media</th><th>Result</th></tr><tr><td>pGRE-Luc Plasmid water</td><td>Easily soluble</td></tr><tr><td>pCIS-CK Negative Control Plasmid water</td><td>Easily soluble</td></tr></table>	Media	Result	pGRE-Luc Plasmid water	Easily soluble	pCIS-CK Negative Control Plasmid water	Easily soluble																						
Media	Result																												
pGRE-Luc Plasmid water	Easily soluble																												
pCIS-CK Negative Control Plasmid water	Easily soluble																												
Partition coefficient: n-octanol/water	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not applicable. Not applicable.																											
Vapour pressure	: <table><tr><th rowspan="2">Ingredient name</th><th colspan="3">Vapour Pressure at 20°C</th><th colspan="3">Vapour pressure at 50°C</th></tr><tr><th>mm Hg</th><th>kPa</th><th>Method</th><th>mm Hg</th><th>kPa</th><th>Method</th></tr><tr><td>pGRE-Luc Plasmid water</td><td>23.8</td><td>3.2</td><td></td><td>92.258</td><td>12.3</td><td></td></tr><tr><td>pCIS-CK Negative Control Plasmid water</td><td>23.8</td><td>3.2</td><td></td><td>92.258</td><td>12.3</td><td></td></tr></table>	Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C			mm Hg	kPa	Method	mm Hg	kPa	Method	pGRE-Luc Plasmid water	23.8	3.2		92.258	12.3		pCIS-CK Negative Control Plasmid water	23.8	3.2		92.258	12.3		
Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C																									
	mm Hg	kPa	Method	mm Hg	kPa	Method																							
pGRE-Luc Plasmid water	23.8	3.2		92.258	12.3																								
pCIS-CK Negative Control Plasmid water	23.8	3.2		92.258	12.3																								
Evaporation rate	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not available. Not available.																											
Relative density	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not available. Not available.																											
Vapour density	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not available. Not available.																											
Explosive properties	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not available. Not available.																											
Oxidising properties	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not available. Not available.																											
<u>Particle characteristics</u>																													
Median particle size	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not applicable. Not applicable.																											

SECTION 9: Physical and chemical properties

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	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.
10.2 Chemical stability	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No specific data. No specific data.
10.5 Incompatible materials	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
10.6 Hazardous decomposition products	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Under normal conditions of storage and use, hazardous decomposition products should not be produced. 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

Not available.

Acute toxicity estimates

N/A

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : 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	:	pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	Not available. Not available.
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Potential acute health effects

Inhalation	:	pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	:	pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact	:	pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No known significant effects or critical hazards. No known significant effects or critical hazards.
Eye contact	:	pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No known significant effects or critical hazards. No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	:	pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No specific data. No specific data.
Ingestion	:	pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No specific data. No specific data.
Skin contact	:	pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No specific data. No specific data.
Eye contact	:	pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No specific data. No specific data.

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

General	:	pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	:	pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	:	pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No known significant effects or critical hazards. No known significant effects or critical hazards.

SECTION 11: Toxicological information

Reproductive toxicity	: pGRE-Luc Plasmid pCIS-CK Negative Control Plasmid	No known significant effects or critical hazards. No known significant effects or critical hazards.
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11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : 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.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 13: Disposal considerations

Special precautions : 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

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

Additional information

14.6 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.

14.7 Transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation
Annex XIV

None of the components are listed.
Substances of very high concern

None of the components are listed.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
Not listed.

Label : pGRE-Luc Plasmid Not applicable.
pCIS-CK Negative Control Not applicable.
Plasmid

Other EU regulations
Ozone depleting substances (1005/2009/EU)
Not listed.
Prior Informed Consent (PIC) (649/2012/EU)
Not listed.
Persistent Organic Pollutants
Not listed.

SECTION 15: Regulatory information

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

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.

Inventory list

- Australia : All components are listed or exempted.
- Canada : All components are listed or exempted.
- China : All components are listed or exempted.
- Eurasian Economic Union : Russian Federation inventory: All components are listed or exempted.
- Japan : Japan inventory (CSCL): All components are listed or exempted.
Japan inventory (ISHL): All components are listed or exempted.
- 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.
- Thailand : Not determined.
- Turkey : Not determined.
- United States : All components are active or exempted.
- Viet Nam : All components are listed or exempted.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

- Abbreviations and acronyms
- ATE = Acute Toxicity Estimate
 - CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 - DMEL = Derived Minimal Effect Level
 - DNEL = Derived No Effect Level
 - EUH statement = CLP-specific Hazard statement
 - N/A = Not available
 - PBT = Persistent, Bioaccumulative and Toxic
 - PNEC = Predicted No Effect Concentration
 - RRN = REACH Registration Number
 - vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

PathDetect GRE cis Reporting System, Part Number 240133

SECTION 16: Other information

Full text of abbreviated H statements

Not applicable.

Full text of classifications [CLP/GHS]

Not applicable.

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Notice to reader

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