

SAFETY DATA SHEET



mAb-GlycoPRO-Chip Reagent Pack, Part Number G4240-64022

Section 1. Identification

Product identifier : mAb-GlycoPRO-Chip Reagent Pack, Part Number G4240-64022
Part no. (chemical kit) : G4240-64022
Part no. : System Conditioning Reagent 5972-3640
 Glycan Standards Dried 5972-3637
 Antibody Standard 5972-3639
 Deglycosylation Buffer G4240-64023

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

Material uses : Analytical reagent.
 System Conditioning Reagent 1 mg (lyophilised)
 Glycan Standards Dried 17.5 ng (50 pmol)
 Antibody Standard 0.04 ml
 Deglycosylation Buffer 2 x 970 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.

<input checked="" type="checkbox"/> Glycan Standards Dried	Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: > 60% Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: > 60% Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: > 60%
<input checked="" type="checkbox"/> Glycan Standards Dried	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 100%

GHS label elements

Signal word : System Conditioning Reagent No signal word.
 Glycan Standards Dried No signal word.
 Antibody Standard No signal word.
 Deglycosylation Buffer No signal word.

Hazard statements : System Conditioning Reagent No known significant effects or critical hazards.
 Glycan Standards Dried No known significant effects or critical hazards.
 Antibody Standard No known significant effects or critical hazards.
 Deglycosylation Buffer No known significant effects or critical hazards.

Precautionary statements

Section 2. Hazard(s) identification

Prevention	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not applicable. Not applicable. Not applicable. Not applicable.
Response	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not applicable. Not applicable. Not applicable. Not applicable.
Storage	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not applicable. Not applicable. Not applicable. Not applicable.
Supplemental label elements		
Additional warning phrases	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not applicable. Not applicable. Not applicable. Not applicable.
Other hazards which do not result in classification	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	None known. None known. None known. None known.

Section 3. Composition and ingredient information

Substance/mixture	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Substance Mixture Mixture Mixture
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CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
System Conditioning Reagent Aldolase, fructose diphosphate	100	9024-52-6

There are no additional 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	: System Conditioning Reagent	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.
	Glycan Standards Dried	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.
	Antibody Standard	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.
	Deglycosylation Buffer	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	: System Conditioning Reagent	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Glycan Standards Dried	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Antibody Standard	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Deglycosylation Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: System Conditioning Reagent	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Glycan Standards Dried	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Antibody Standard	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Deglycosylation Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: System Conditioning Reagent	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.
	Glycan Standards Dried	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.
	Antibody Standard	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

Section 4. First aid measures

Deglycosylation Buffer

water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
 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

Eye contact	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No specific data. No specific data. No specific data. No specific data.
Inhalation	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No specific data. No specific data. No specific data. No specific data.
Skin contact	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No specific data. No specific data. No specific data. No specific data.
Ingestion	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No specific data. No specific data. No specific data. No specific data.

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

Section 4. First aid measures

Notes to physician	: System Conditioning Reagent	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Glycan Standards Dried	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Antibody Standard	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Deglycosylation Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: System Conditioning Reagent	No specific treatment.
	Glycan Standards Dried	No specific treatment.
	Antibody Standard	No specific treatment.
	Deglycosylation Buffer	No specific treatment.
Protection of first-aiders	: System Conditioning Reagent	No action shall be taken involving any personal risk or without suitable training.
	Glycan Standards Dried	No action shall be taken involving any personal risk or without suitable training.
	Antibody Standard	No action shall be taken involving any personal risk or without suitable training.
	Deglycosylation Buffer	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	: System Conditioning Reagent	Use an extinguishing agent suitable for the surrounding fire.
	Glycan Standards Dried	Use an extinguishing agent suitable for the surrounding fire.
	Antibody Standard	Use an extinguishing agent suitable for the surrounding fire.
	Deglycosylation Buffer	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: System Conditioning Reagent	None known.
	Glycan Standards Dried	None known.
	Antibody Standard	None known.
	Deglycosylation Buffer	None known.
Specific hazards arising from the chemical	: System Conditioning Reagent	No specific fire or explosion hazard.
	Glycan Standards Dried	No specific fire or explosion hazard.
	Antibody Standard	In a fire or if heated, a pressure increase will occur and the container may burst.
	Deglycosylation Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: System Conditioning Reagent	Decomposition products may include the following materials: carbon dioxide carbon monoxide phosphorus oxides
	Glycan Standards Dried	Decomposition products may include the following materials: carbon dioxide

Section 5. Firefighting measures


		carbon monoxide nitrogen oxides No specific data. No specific data.
	Antibody Standard Deglycosylation Buffer	
Special protective actions for fire-fighters	: System Conditioning Reagent	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.
	Glycan Standards Dried	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.
	Antibody Standard	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.
	Deglycosylation Buffer	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	: System Conditioning Reagent	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Glycan Standards Dried	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Antibody Standard	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Deglycosylation Buffer	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	: System Conditioning Reagent	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.
	Glycan Standards Dried	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.
	Antibody Standard	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.
	Deglycosylation Buffer	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

Section 6. Accidental release measures

For emergency responders :	 System Conditioning Reagent	through spilt material. Put on appropriate personal protective equipment. 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".
	Glycan Standards Dried	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".
	Antibody Standard	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".
	Deglycosylation Buffer	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".

Environmental precautions :	 System Conditioning Reagent	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).
	Glycan Standards Dried	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).
	Antibody Standard	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).
	Deglycosylation Buffer	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 :	 System Conditioning Reagent	Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.
	Glycan Standards Dried	Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.
	Antibody Standard	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.
	Deglycosylation Buffer	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	: System Conditioning Reagent	Put on appropriate personal protective equipment (see Section 8).
	Glycan Standards Dried	Put on appropriate personal protective equipment (see Section 8).
	Antibody Standard	Put on appropriate personal protective equipment (see Section 8).
	Deglycosylation Buffer	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: System Conditioning Reagent	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.
	Glycan Standards Dried	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.
	Antibody Standard	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.
	Deglycosylation Buffer	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.
Conditions for safe storage, including any incompatibilities	: System Conditioning Reagent	Do not store above the following temperature: -20°C (-4°F). 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.
	Glycan Standards Dried	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.
	Antibody Standard	Store in accordance with local regulations. Store in

Section 7. Handling and storage

Deglycosylation Buffer

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.

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.

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.

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.

Section 8. Exposure controls and personal protection

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	System Conditioning Reagent	Solid. [lyophilised]
	Glycan Standards Dried	Solid.
	Antibody Standard	Liquid.
	Deglycosylation Buffer	Liquid.
Colour	System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
Odour	System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
Odour threshold	System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
pH	System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	7.2
	Deglycosylation Buffer	7.55 to 7.75
Melting point	System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	0°C (32°F)
	Deglycosylation Buffer	0°C (32°F)
Boiling point	System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	100°C (212°F)
	Deglycosylation Buffer	100°C (212°F)
Flash point	System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
Evaporation rate	System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
Flammability (solid, gas)	System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not applicable.
	Deglycosylation Buffer	Not applicable.

Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
Vapour pressure	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
Vapour density	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
Relative density	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
Solubility	: System Conditioning Reagent	Partially soluble in the following materials: cold water and hot water.
	Glycan Standards Dried	Partially soluble in the following materials: cold water and hot water.
	Antibody Standard	Easily soluble in the following materials: cold water and hot water.
	Deglycosylation Buffer	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
Auto-ignition temperature	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
Decomposition temperature	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
Viscosity	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.

Section 10. Stability and reactivity

Reactivity	: System Conditioning Reagent	No specific test data related to reactivity available for this product or its ingredients.
	Glycan Standards Dried	No specific test data related to reactivity available for this product or its ingredients.
	Antibody Standard	No specific test data related to reactivity available for this product or its ingredients.
	Deglycosylation Buffer	No specific test data related to reactivity available for this product or its ingredients.

Section 10. Stability and reactivity

Chemical stability	: System Conditioning Reagent	The product is stable.
	Glycan Standards Dried	The product is stable.
	Antibody Standard	The product is stable.
	Deglycosylation Buffer	The product is stable.
Possibility of hazardous reactions	: System Conditioning Reagent	Under normal conditions of storage and use, hazardous reactions will not occur.
	Glycan Standards Dried	Under normal conditions of storage and use, hazardous reactions will not occur.
	Antibody Standard	Under normal conditions of storage and use, hazardous reactions will not occur.
	Deglycosylation Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: System Conditioning Reagent	No specific data.
	Glycan Standards Dried	No specific data.
	Antibody Standard	No specific data.
	Deglycosylation Buffer	No specific data.
Incompatible materials	: System Conditioning Reagent	May react or be incompatible with oxidising materials.
	Glycan Standards Dried	May react or be incompatible with oxidising materials.
	Antibody Standard	May react or be incompatible with oxidising materials.
	Deglycosylation Buffer	May react or be incompatible with oxidising materials.
Hazardous decomposition products	: System Conditioning Reagent	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Glycan Standards Dried	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Antibody Standard	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Deglycosylation Buffer	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

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Section 11. Toxicological information

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.

Potential acute health effects

Eye contact	: System Conditioning Reagent	No known significant effects or critical hazards.
	Glycan Standards Dried	No known significant effects or critical hazards.
	Antibody Standard	No known significant effects or critical hazards.
	Deglycosylation Buffer	No known significant effects or critical hazards.
Inhalation	: System Conditioning Reagent	No known significant effects or critical hazards.
	Glycan Standards Dried	No known significant effects or critical hazards.
	Antibody Standard	No known significant effects or critical hazards.
	Deglycosylation Buffer	No known significant effects or critical hazards.
Skin contact	: System Conditioning Reagent	No known significant effects or critical hazards.
	Glycan Standards Dried	No known significant effects or critical hazards.
	Antibody Standard	No known significant effects or critical hazards.
	Deglycosylation Buffer	No known significant effects or critical hazards.
Ingestion	: System Conditioning Reagent	No known significant effects or critical hazards.
	Glycan Standards Dried	No known significant effects or critical hazards.
	Antibody Standard	No known significant effects or critical hazards.
	Deglycosylation Buffer	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: System Conditioning Reagent	No specific data.
	Glycan Standards Dried	No specific data.
	Antibody Standard	No specific data.
	Deglycosylation Buffer	No specific data.
Inhalation	: System Conditioning Reagent	No specific data.
	Glycan Standards Dried	No specific data.
	Antibody Standard	No specific data.
	Deglycosylation Buffer	No specific data.
Skin contact	: System Conditioning Reagent	No specific data.
	Glycan Standards Dried	No specific data.
	Antibody Standard	No specific data.
	Deglycosylation Buffer	No specific data.
Ingestion	: System Conditioning Reagent	No specific data.
	Glycan Standards Dried	No specific data.
	Antibody Standard	No specific data.
	Deglycosylation Buffer	No specific data.

Section 11. Toxicological information

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	: <input checked="" type="checkbox"/> System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: <input checked="" type="checkbox"/> System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: <input checked="" type="checkbox"/> System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: <input checked="" type="checkbox"/> System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Developmental effects	: <input checked="" type="checkbox"/> System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: <input checked="" type="checkbox"/> System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. 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.

Section 12. Ecological information

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

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

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.

Section 15. Regulatory information

Inventory list

Australia	: Not determined.
Canada	: Not determined.
China	: <input checked="" type="checkbox"/> All components are listed or exempted.
Europe	: <input checked="" type="checkbox"/> All components are listed or exempted.
Japan	: <input checked="" type="checkbox"/> Japan inventory (ENCS): Not determined. Japan inventory (ISHL): All components are listed or exempted.
Malaysia	: <input checked="" type="checkbox"/> Not determined.
New Zealand	: <input checked="" type="checkbox"/> Not determined.
Philippines	: <input checked="" type="checkbox"/> Not determined.
Republic of Korea	: <input checked="" type="checkbox"/> Not determined.
Taiwan	: <input checked="" type="checkbox"/> All components are listed or exempted.
Thailand	: <input checked="" type="checkbox"/> Not determined.
Turkey	: <input checked="" type="checkbox"/> Not determined.
United States	: <input checked="" type="checkbox"/> All components are listed or exempted.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

Section 16. Any other relevant information

History

Date of issue/Date of revision	: 31/01/2018
Date of previous issue	: 17/04/2014
Version	: 5

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

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