

# SAFETY DATA SHEET

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

## Section 1. Identification

### 1.1 Product identifier

**Product name** : 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

**Validation date** : 1/31/2018

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

**Material uses** : Analytical reagent.

System Conditioning Reagent	1 mg (lyophilized)
Glycan Standards Dried	17.5 ng (50 pmol)
Antibody Standard	0.04 ml
Deglycosylation Buffer	2 x 970 ml

### 1.3 Details of the supplier of the safety data sheet

**Supplier/Manufacturer** : Agilent Technologies, Inc.  
 5301 Stevens Creek Blvd  
 Santa Clara, CA 95051, USA  
 800-227-9770

### 1.4 Emergency telephone number

**In case of emergency** : CHEMTREC®: 1-800-424-9300

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

<b>OSHA/HCS status</b> :	System Conditioning Reagent	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Glycan Standards Dried	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Antibody Standard	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Deglycosylation Buffer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This

## Section 2. Hazards identification

SDS should be retained and available for employees and other users of this product.

### Classification of the substance or mixture

Not classified.

**Ingredients of unknown toxicity** : 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%

### 2.2 GHS label elements

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

**Hazard statements** : 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.

**Precautionary statements**

**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** : System Conditioning Reagent  
 Glycan Standards Dried  
 Antibody Standard  
 Deglycosylation Buffer  
 None known.  
 None known.  
 None known.  
 None known.

### 2.3 Other hazards

**Hazards not otherwise classified** : System Conditioning Reagent  
 Glycan Standards Dried  
 Antibody Standard  
 Deglycosylation Buffer  
 None known.  
 None known.  
 None known.  
 None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	:	System Conditioning Reagent	Substance
		Glycan Standards Dried	Mixture
		Antibody Standard	Mixture
		Deglycosylation Buffer	Mixture

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

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**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

### 4.1 Description of necessary first aid measures

<b>Eye contact</b>	:	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.
<b>Inhalation</b>	:	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.

## Section 4. First aid measures

<b>Skin contact</b>	: 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.
<b>Ingestion</b>	: 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 water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Deglycosylation Buffer	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.

### 4.2 Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: 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.
<b>Inhalation</b>	: 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.
<b>Skin contact</b>	: 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.

## Section 4. First aid measures

**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.

### Over-exposure signs/symptoms

**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.

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

**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. Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	: 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.
<b>Unsuitable extinguishing media</b>	: System Conditioning Reagent	None known.
	Glycan Standards Dried	None known.
	Antibody Standard	None known.
	Deglycosylation Buffer	None known.

### 5.2 Special hazards arising from the substance or mixture

<b>Specific hazards arising from the chemical</b>	: 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.
<b>Hazardous thermal decomposition products</b>	: 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 carbon monoxide nitrogen oxides
	Antibody Standard	No specific data.
	Deglycosylation Buffer	No specific data.

### 5.3 Advice for firefighters

<b>Special protective actions for fire-fighters</b>	: 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.

## Section 5. Fire-fighting measures

<b>Special protective equipment for fire-fighters</b>	: 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

### 6.1 Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: 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 spilled 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 spilled 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 spilled 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 through spilled material. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: System Conditioning Reagent	If specialized 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 specialized 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 specialized 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 specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also

## Section 6. Accidental release measures

the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: System Conditioning Reagent

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Glycan Standards Dried

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Antibody Standard

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Deglycosylation Buffer

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials 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, labeled 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, labeled 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

### 7.1 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).



## Section 7. Handling and storage

<b>Advice on general occupational hygiene</b>	: 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.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	: 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 unlabeled 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 unlabeled 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 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

## Section 7. Handling and storage

Deglycosylation Buffer

until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

<b>Recommendations</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not applicable. Not applicable. Not applicable. Not applicable.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
System Conditioning Reagent Aldolase, fructose diphosphate	None.

### 8.2 Exposure controls

<b>Appropriate engineering controls</b>	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Environmental exposure controls</b>	: 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

<b>Hygiene measures</b>	: 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.
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## Section 8. Exposure controls/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

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Solid. [lyophilized] Solid. Liquid. Liquid.
<b>Color</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not available. Not available. Not available. Not available.
<b>Odor</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not available. Not available. Not available. Not available.
<b>Odor threshold</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not available. Not available. Not available. Not available.
<b>pH</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not available. Not available. 7.2 7.55 to 7.75
<b>Melting point</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not available. Not available. 0°C (32°F) 0°C (32°F)
<b>Boiling point</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not available. Not available. 100°C (212°F) 100°C (212°F)

## Section 9. Physical and chemical properties

<b>Flash point</b>	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
<b>Evaporation rate</b>	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
<b>Flammability (solid, gas)</b>	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not applicable.
	Deglycosylation Buffer	Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
<b>Vapor pressure</b>	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
<b>Vapor density</b>	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
<b>Relative density</b>	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
<b>Solubility</b>	: 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.
<b>Partition coefficient: n-octanol/water</b>	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
<b>Auto-ignition temperature</b>	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
<b>Decomposition temperature</b>	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.
<b>Viscosity</b>	: System Conditioning Reagent	Not available.
	Glycan Standards Dried	Not available.
	Antibody Standard	Not available.
	Deglycosylation Buffer	Not available.

## Section 10. Stability and reactivity

<b>10.1 Reactivity</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	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. No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	The product is stable. The product is stable. The product is stable. The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	No specific data. No specific data. No specific data. No specific data.
<b>10.5 Incompatible materials</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials.
<b>10.6 Hazardous decomposition products</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	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. 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.

#### Irritation/Corrosion

Not available.

#### Sensitization

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)

Not available.

#### Aspiration hazard

Not available.

<b>Information on the likely routes of exposure</b>	: System Conditioning Reagent Glycan Standards Dried Antibody Standard Deglycosylation Buffer	Not available. Not available. Not available. Not available.
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### Potential acute health effects

<b>Eye contact</b>	: 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.
<b>Inhalation</b>	: 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.
<b>Skin contact</b>	: 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.
<b>Ingestion</b>	: 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.

### Symptoms related to the physical, chemical and toxicological characteristics

## Section 11. Toxicological information

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

### Delayed and immediate effects and also 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

<b>General</b>	: 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.
<b>Carcinogenicity</b>	: 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.
<b>Mutagenicity</b>	: 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.
<b>Teratogenicity</b>	: 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.
<b>Developmental effects</b>	: 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.
<b>Fertility effects</b>	: 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.

### Numerical measures of toxicity

## Section 11. Toxicological information

### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### 12.1 Toxicity

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.

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

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

**Disposal methods** : The generation of waste should be avoided or minimized 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

**Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.**

**The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.**

**Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.**



## Section 14. Transport information

**DOT / TDG / Mexico / IMDG / IATA** : Not regulated.

**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

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**Clean Water Act (CWA) 311:** Ammonium acetate; Disodium hydrogenorthophosphate

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
<input checked="" type="checkbox"/> <b>Antibody Standard</b> Sodium azide	≤0.1	Yes.	500	-	1000	-
<b>Deglycosylation Buffer</b> Sodium azide	≤0.1	Yes.	500	-	1000	-

**SARA 304 RQ** : 3636363.6 lbs / 1650909.1 kg

### SARA 311/312

**Classification** :  System Conditioning Reagent Not applicable.  
 Glycan Standards Dried Not applicable.  
 Antibody Standard Not applicable.  
 Deglycosylation Buffer Not applicable.

### Composition/information on ingredients

No products were found.

### State regulations

**Massachusetts** : None of the components are listed.

**New York** : None of the components are listed.

## Section 15. Regulatory information

**New Jersey** : None of the components are listed.

**Pennsylvania** : None of the components are listed.

### 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.

### Inventory list

**Australia** : Not determined.

**Canada** : Not determined.

**China** :  All components are listed or exempted.

**Europe** :  All components are listed or exempted.

**Japan** :  **Japan inventory (ENCS)**: Not determined.  
**Japan inventory (ISHL)**: All components are listed or exempted.

**Malaysia** :  Not determined.

**New Zealand** :  Not determined.

**Philippines** :  Not determined.

**Republic of Korea** :  Not determined.

**Taiwan** :  All components are listed or exempted.

**Thailand** :  Not determined.

**Turkey** :  Not determined.

**United States** :  All components are listed or exempted.

**Viet Nam** :  Not determined.

## Section 16. Other information

### History

**Date of issue** : 01/31/2018

**Date of previous issue** : 04/17/2014

**Version** : 5

### Procedure used to derive the classification

Classification	Justification
<input checked="" type="checkbox"/> Not classified.	

Indicates information that has changed from previously issued version.

### Notice to reader

## **Section 16. Other information**

**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.