Safety Data Sheet

Cat. # R027

PBS, Phosphate Buffered Saline

Size: 1 Liter
**SECTION 1: Identification**

1.1. **Identification**
- **Product form**: Mixture
- **Product name**: Phosphate Buffered Saline (PBS) [10X]
- **Product code**: P020, 020P, 312P

1.2. **Recommended use and restrictions on use**
- No additional information available

1.3. **Supplier**
- Geno Technology, Inc./ G-Biosciences
  - 9800 Page Avenue
  - Saint Louis, 63132 - United States
  - T 800-628-7730 - F 314-991-1504
  - technical@GBiosciences.com - www.GBiosciences.com

1.4. **Emergency telephone number**
- Emergency number: Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl)

**SECTION 2: Hazard(s) identification**

2.1. **Classification of the substance or mixture**
- **GHS-US classification**: Not classified

2.2. **GHS Label elements, including precautionary statements**
- **GHS-US labeling**: No labeling applicable

2.3. **Other hazards which do not result in classification**
- No additional information available

2.4. **Unknown acute toxicity (GHS US)**
- Not applicable

**SECTION 3: Composition/Information on ingredients**

3.1. **Substances**
- Not applicable

3.2. **Mixtures**
- This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

**SECTION 4: First-aid measures**

4.1. **Description of first aid measures**
- First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact: Wash skin with plenty of water.
- First-aid measures after eye contact: Rinse eyes with water as a precaution.
- First-aid measures after ingestion: Call a poison center/doctor/physician if you feel unwell.

4.2. **Most important symptoms and effects (acute and delayed)**
- No additional information available

4.3. **Immediate medical attention and special treatment, if necessary**
- Treat symptomatically.

**SECTION 5: Fire-fighting measures**

5.1. **Suitable (and unsuitable) extinguishing media**

5.2. **Specific hazards arising from the chemical**
- Reactivity: The product is non-reactive under normal conditions of use, storage and transport.
5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Color: No data available

Odor: No data available
### SECTION 10: Stability and reactivity

#### Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### Chemical stability

Stable under normal conditions.

#### Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### Incompatible materials

No additional information available

#### Hazardous decomposition products

Hazardous decomposition products.  

### SECTION 11: Toxicological information

#### Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
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<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
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<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
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<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
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<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
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<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
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<tr>
<td>Specific target organ toxicity – single exposure</td>
<td>Not classified</td>
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<tr>
<td>Specific target organ toxicity – repeated exposure</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
Phosphate Buffered Saline (PBS) [10X]
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According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Aspiration hazard : Not classified
Viscosity, kinematic : No data available

### SECTION 12: Ecological information

<table>
<thead>
<tr>
<th>12.1. Toxicity</th>
<th></th>
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<tbody>
<tr>
<td>Ecology - general</td>
<td>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</td>
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<table>
<thead>
<tr>
<th>12.2. Persistence and degradability</th>
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<tr>
<td>No additional information available</td>
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<table>
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<tr>
<th>12.3. Bioaccumulative potential</th>
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<tr>
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<table>
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<tr>
<th>12.4. Mobility in soil</th>
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<tr>
<td>No additional information available</td>
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<table>
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<tr>
<th>12.5. Other adverse effects</th>
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</thead>
<tbody>
<tr>
<td>No additional information available</td>
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### SECTION 13: Disposal considerations

<table>
<thead>
<tr>
<th>13.1. Disposal methods</th>
<th></th>
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<tbody>
<tr>
<td>Waste treatment methods</td>
<td>Waste treatment methods.</td>
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### SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Not applicable

Transportation of Dangerous Goods

Transport by sea
Not regulated

Air transport
Not regulated

### SECTION 15: Regulatory information

<table>
<thead>
<tr>
<th>15.1. US Federal regulations</th>
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<tbody>
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<td>No additional information available</td>
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<table>
<thead>
<tr>
<th>15.2. International regulations</th>
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<tbody>
<tr>
<td>CANADA</td>
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<th>National regulations</th>
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<tr>
<th>15.3. US State regulations</th>
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<tr>
<td>No additional information available</td>
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</table>
SECTION 16: Other information

Revision date : 05/11/2017

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.