

## SAFETY DATA SHEET

Version 2  
Revision Date 11/30/2020

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Phospho Sandwich ELISA

**Catalog number** PS-XXXX

**Recommended use** Research use only

**Supplier Address** Assay Biotechnology Co.  
47787 Fremont Blvd  
Fremont, CA 94538  
USA  
Tel: 1-408-747-0185 or 408-747-0189  
Fax: 1-408-747-0145

**E-mail address** tech@assaybiotech.com

**Emergency telephone number** Tel: 1 (703) 527-3887 (CHEMTREC)

### 2. HAZARDS IDENTIFICATION

#### GHS label elements, including precautionary statements

Hazard pictograms				
Signal word/s	Warning	Danger	Danger	Danger

#### Hazard statements

Keep away from clothing and combustible materials. Avoid breathing the fumes and vapors from kit components. Wear protective gloves, clothing, eyewear, and face protection.

**Routes of entry:** Avoid ingestion and inhalation; avoid contact with skin and eyes.

**Threshold limit value and source:** The chemical, physical and toxicological properties of these components have not been thoroughly investigated. Allergy-prone individuals should be particularly cautious with proteins or other materials of biological origin.

**Carcinogenic effects data:** Not available

**Chronic effects of overexposure:** Not available

**Solubility in water:** Liquids except detergents are readily miscible in water.

**Hazards not otherwise classified (HNOC) or not covered by GHS – none**

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS numbers/other identifiers

Component	Classification	Concentration
DL-Dithiothreitol (DTT)	12/3/3483	<3%
Np-40	9016-45-9	<2%
Sulfuric acid	7664-93-9	<2%
3,3',5,5'-Tetramethylbenzidine (TMB)	54827-17-7	<0.1%
Hydrogen Peroxide	7722-84-1	<0.02%
Sodium Azide	26628-22-8	<0.1%
Tween-20	7732-18-5	<2%
Triton X-100	9002-93-1	<2%

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### 4. FIRST AID MEASURES

#### Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

#### Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

#### Inhalation

Move to fresh air

#### Ingestion

Clean mouth with water. Drink plenty of water.

#### Notes to physician

Treat symptomatically.

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### 5. FIREFIGHTING MEASURES

#### Flammable properties

Not flammable

**Flash point**

No determined

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Explosion Data****Sensitivity to mechanical impact**

None

**Sensitivity to static discharge**

None

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

**Environmental precautions**

Try to prevent the material from entering drains or water courses.

**Methods and materials for containment and cleaning up**

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

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**7. HANDLING AND STORAGE****Handling**

Handle in accordance with good industrial hygiene and safety practice.

**Storage**

Store the entire kit at 4°C upon arrival.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering measures**

Showers

Eyewash stations

Ventilation systems

## **Personal protective equipment**

### **Eye/face protection**

No special protective equipment required.

### **Skin protection**

No special protective equipment required.

### **Body protection**

No special protective equipment required.

### **Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

## **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Form: liquid
<b>Odour</b>	No data available
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point/freezing point</b>	No data available
<b>Initial boiling point and boiling range</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability or explosive limits</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Water solubility</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available

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## **10. STABILITY AND REACTIVITY**

### **Stability**

Stable under recommended storage conditions.

### **Incompatible products**

None known based on information supplied.

**Conditions to avoid**

None known based on information supplied.

**Hazardous decomposition products**

None known based on information supplied.

**Hazardous polymerization**

Hazardous polymerization does not occur.

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**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Aspiration hazard**

No data available

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**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The environmental impact of this product has not been fully investigated.

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**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## 15. REGULATORY INFORMATION

### U.S. federal regulations

#### SARA 302/313 components

The following components are subject to reporting levels established by SARA Title III, Section 302/313:

Component	Classification	Concentration
DL-Dithiothreitol (DTT)	3483-12-3	<3%
Np-40	9016-45-9	<2%
Sulfuric acid	7664-93-9	<2%
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Tween-20	7732-18-5	<2%
Triton X-100	9002-93-1	<2%

#### SARA 311/312 hazard categories

Acute health hazard	no
Chronic health hazard	no
Fire hazard	no
Sudden release of pressure hazard	no
Reactive hazard	no

#### Clean water act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**California proposition 65**

This product does not contain any Proposition 65 chemicals.

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**16. OTHER INFORMATION****Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.