Section 1 – Product and Company Identification

Manufacturer Information
Quidel Corporation
2005 East State Street, Suite 100
Athens, OH 45701
Phone: 1.800.874.1517
Fax: 1.740.592.9820
Emergency #: 1.866.519.4752
Web: quidel.com
E-mail: qehs@quidel.com

Product Information
Product Name: Rat Intact PTH ELISA Kit (Catalog #: 60-2500)
Intended Use: This kit is intended for research use only in the determination of rat intact PTH in serum, plasma or cell culture media.
Components: Streptavidin Coated Microtiter Plate, Rat PTH Biotinylated Antibody, Rat PTH HRP Conjugated Antibody, Rat Intact PTH Standards, Rat Intact PTH Controls I & II, ELISA Wash Concentrate, ELISA HRP Substrate, ELISA Stop Solution, and Plate Sealer.

Section 2 – Hazards Identification

Emergency Overview

<table>
<thead>
<tr>
<th>Kit Component</th>
<th>OSHA Hazards</th>
<th>Target Organs</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA Stop Solution</td>
<td>Corrosive</td>
<td>Eye Skin</td>
<td>Eye Irritation (Category 2) Skin Irritation (Category 2)</td>
</tr>
<tr>
<td>(5.65% Sulfuric Acid)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

GHS Classification and Label Elements
(GHS classification in accordance with 29 CFR 1910 (U.S. OSHA HCS) and EU Regulation (EC) No 1272/2008)

<table>
<thead>
<tr>
<th>Component</th>
<th>Pictogram</th>
<th>Hazard Statements</th>
<th>Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA Stop Solution</td>
<td>Warning</td>
<td>H315 Causes skin irritation.</td>
<td>P264 Wash hands thoroughly after handling.</td>
</tr>
<tr>
<td>(5.65% Sulfuric Acid)</td>
<td></td>
<td>H319 Causes serious eye irritation.</td>
<td>P273 Avoid release to the environment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>P280 Wear protective gloves / eye protection / face protection.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>P305+P351+P338: IF EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical attention.</td>
</tr>
</tbody>
</table>

Supplemental Hazard Statements
1. Follow Universal Precautions when working with this kit. Refer to additional Universal Precaution information in Section 7, Handling and Storage.
2. Maybe harmful if swallowed.
Section 3 – Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>Chemical Name</th>
<th>CAS #</th>
<th>EINECS #</th>
<th>Conc. (%)</th>
<th>Component Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA Stop Solution</td>
<td>Sulfuric Acid</td>
<td>7664-93-9</td>
<td>231-639-5</td>
<td>5.65</td>
<td>11 mL</td>
</tr>
</tbody>
</table>

Section 4 – First Aid Measures

General Advice
Move out of exposure area. Consult a physician. Show this safety data sheet to the doctor in attendance, as necessary.

If inhaled: Move the person to fresh air and support breathing as required.
In case of skin contact: Wash affected area with soap and water. Seek medical advice if irritation develops.
In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water (do not swallow). Seek medical advice if irritation develops. **ELISA Stop Solution**: Do not induce vomiting.

Note to Physicians: Treat symptomatically.

Section 5 – Fire Fighting Measures

General Advice
Only individuals properly trained and issued appropriate personal protective equipment should respond and attempt to extinguish a fire.

Extinguishing Media: For small fires, use dry chemical, water spray, carbon dioxide or alcohol-resistant foam.
General Fire Hazards: The components within this kit will not significantly contribute to the intensity of a fire.
Hazardous Combustion Products: No data available
Fire Fighting Equipment: Firefighters should wear full protective gear when responding to fires.

Section 6 – Accidental Release Measures

General Advice
Only individuals properly trained and issued appropriate personal protective equipment should respond and attempt to clean up a spill or release. Large spills of the solutions, controls, buffers or reagents contained within this kit are unlikely.

Personal Precautions: Use personal protective equipment, including protective gloves and safety glasses when cleaning up small spills of the solutions, controls or reagents within this kit. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Keep all unnecessary personnel away from the spill area.

Materials and Methods for Clean-Up: Wipe up with inert absorbent material (e.g., paper towel, etc.). Thoroughly wash the area with soap and water after a spill or release clean-up.

Recovery and Neutralization: Collect spilled material and clean-up supplies and place in sealed container for disposal. Refer to Section 13 for disposal guidance.

Environmental Precautions: Contain spill to prevent migration to drains, sewers or open water sources. Discharge into the environment must be avoided.
Section 7 – Handling and Storage

Specific Use: Refer to product specific package insert. Not for use by the general public.

Precautions for Safe Handling
As with all chemical and biological substances, avoid getting the components within this kit ON YOU or IN YOU. Wash exposed areas thoroughly after using this kit. Do not eat or drink while using this kit. This kit should be handled only by qualified clinical or laboratory employees trained on the use of this kit and who are familiar with the potential hazards. Universal Precautions should be followed when handling and working with this kit. Keep out of reach of the general public.

Universal Precautions
No known test method can offer complete assurance that product(s) derived from human blood, serum or plasma used in components of this kit will not transmit infectious agents. All blood products should be treated as potentially infectious; use universal precautions. Users should ensure the use of proper personal protective equipment (PPE), covering of any cuts or abrasions on the skin (hands), and follow standard protocols for the decontamination of work surfaces when testing has been completed. Always wash hands thoroughly after handling the components within this kit.

Conditions for Safe Storage: To maintain efficacy, store according to the kit specific Technical Data Sheet.

Incompatibilities
To maintain efficacy, store according to the kit specific Technical Data Sheet.

Section 8 – Exposure Controls and Personal Protection

Exposure Limits: No data available for the components in this kit.

Exposure Controls:

Engineering Measures Use with adequate ventilation.

Personal Protective Equipment

Respiratory Protection: None needed under normal conditions of use.

Hand Protection: Handle with appropriately rated chemical resistant gloves. Gloves should be inspected prior to use. Use proper glove technique to remove gloves to avoid contact with skin. Wash hands after handling the components within this kit.

Eye Protection: Wear safety glasses with side shields or goggles to prevent eye contact.

Skin and Body Protection: Use body protection appropriate for the task. A laboratory coat is recommended.

Hygiene Measures: Wash hands before and after use and at the end of the workday.

Environmental Exposure Controls
No special environmental controls are required.

Section 9 – Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>ELISA Stop Solution (Sulfuric Acid, 5.65%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (°C)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point (°C)</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity (H₂O = 1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate (Ether = 1)</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Section 9 – Physical and Chemical Properties (cont’d)

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>ELISA Stop Solution (Sulfuric Acid, 5.65%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>&lt;2</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Clear, colorless; odorless</td>
</tr>
</tbody>
</table>

Section 10 – Stability and Reactivity

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>ELISA Stop Solution (Sulfuric Acid, 5.65%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component Stability</td>
<td>Stable</td>
</tr>
<tr>
<td>Hazard Reaction Potential</td>
<td>No data available</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>No data available</td>
</tr>
<tr>
<td>Materials to Avoid</td>
<td>No data available</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Section 11 – Toxicological Information

Acute Toxicity

Component Analysis – LD50 / LC50 / Irritation (No data available for specific kit components)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>RTECS #</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric Acid</td>
<td>7664-93-9</td>
<td>WS5600000</td>
<td>Oral LD₅₀  Rat 2140 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Inhalation LC₅₀  Rat (2h) 51 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dermal LD₅₀  No data available</td>
</tr>
</tbody>
</table>

Potential Health Effects: ELISA Stop Solution (40-0030) – Irritant

- Skin Corrosion/ Irritation: No data available
- Serious Eye Damage / Irritation: No data available
- Respiratory or Skin Sensitization: No data available
- Generative Cell Mutagenicity: No data available

- Inhalation: May cause respiratory tract irritation.
- Skin: May cause skin irritation upon contact.
- Eyes: May cause serious eye irritation.
- Ingestion: May be harmful if swallowed.

Carcinogenicity

IARC: Group 1 Carcinogen (Sulfuric Acid Mist)

OSHA: Select carcinogen (Sulfuric Acid Mist)

Reproductive Toxicity: No data available

Teratogenicity: No data available
### Section 11 – Toxicological Information (cont’d)

**Specified Target Organ General Toxicity (GHS)**

*Single Exposure (GHS):* No data available  
*Repeated Exposure (GHS):* No data available

**Synergistic Effects**

No data available

**Aspiration Respiratory Organs Hazard**

None anticipated under product use conditions.

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated for this solution.

**Additional Information**

Stomach – Irregularities – Based on Human Evidence (Sulfuric Acid)

### Section 12 – Ecological Information

**Ecotoxicity**

No data available

**Persistence / Degradability**

No data available

**Bioaccumulation**

No data available

**Mobility in Soil**

No data available

**PBT and vPvB Assessment**

Assessment not available as chemical safety assessment not required or not conducted.

**Other Adverse Effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid release to the environment.

### Section 13 – Disposal Considerations

**Waste Disposal Instructions**

Utilize appropriate personal protective equipment and spill control when handling wastes generated from using this kit. Do not discharge any of the solutions, reagents or controls into drains, water courses or onto the ground.

**Disposal of Product and Contaminated Packaging**

Dispose of waste materials, unused components and contaminated packaging in compliance with country, federal, state and local regulations. If unsure of the applicable regulatory requirements, contact a licensed professional waste disposal service to dispose of this material.

### Section 14 – Transportation Information

**U.S. Department of Transportation (DOT)**

This kit is not regulated for transport.

**International Air Transportation (IATA)**

This kit is not regulated for transport.

**International Maritime Dangerous Goods (IMDG)**

This kit is not regulated for transport.
Section 15 – Regulatory Information

Regulatory Information

U.S. Federal Regulations

OSHA Hazards ELISA Stop Solution (40-0030): Skin and Eye Irritant

SARA 302 The following chemicals are subject to reporting levels established by SARA Title III, Section 302:
Sulfuric Acid CAS #: 7664-93-9 Revision Date: 2007-07-01

SARA 313 The following chemicals are subject to reporting levels established by SARA Title III, Section 313:
Sulfuric Acid CAS #: 7664-93-9 Revision Date: 2007-07-01

SARA 311/312 Sulfuric Acid CAS #: 7664-93-9 Acute Health Hazard, Chronic Health Hazard

State Regulations

The following chemical(s) appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>RI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric Acid</td>
<td>7664-93-9</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

California Prop 65: ELISA Stop Solution (40-0030) – WARNING – This component contains a chemical known to the State of California to cause birth defects or other reproductive harm.
Sulfuric Acid CAS #: 7664-93-9 Revision Date: 2007-09-28

Canadian – WHMIS Classification (Raw Material)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric Acid</td>
<td>7664-93-9</td>
<td>E Corrosive - Corrosive to skin</td>
</tr>
</tbody>
</table>

Additional Regulatory Information

Safety, Health and Environmental regulations/legislation specific for the mixture:
This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006.

Chemical Safety Assessment:
Not completed for the components contained within this kit.

NFPA Kit Classification:
Health Hazard (blue): 2
Fire Hazard (red): 0
Reactivity (yellow): 0
Special Hazards (white): None
Section 16 – Other Information

PREPARED BY: Quidel Corporation
12544 High Bluff Drive, Suite 200, San Diego, CA 92130

SUPERCEDES: September 2, 2016

REVISIONS: Added applicable regulatory references, Universal Precautions statement, removed Canadian IDL and replaced with Canadian WHMIS Classification, and removed HMIS Kit Classification.

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