

Material Safety Data Sheet (MSDS)



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the Substance/Preparation

Product Number BE69219
Product Name Human PCT ELISA Kit

Company Identification

Immuno-Biological Laboratories, Inc. (IBL-America)

8201 Central Ave NE, Suite P, Minneapolis, MN 55432

Toll Free: (888) 523-1246

Fax: (763) 780-2988

www.ibl-america.com

info@ibl-america.com

2. COMPOSITION, INFORMATION ON INGREDIENTS

| Component | Size |
|---|--------------|
| One 96-well plate pre-coated with anti-human PCT antibody | 1 x 96 wells |
| Lyophilized human PCT standards | 2 x 10 ng |
| Sample / Standard diluent buffer | 1 x 30 mL |
| Biotin conjugated anti-human PCT antibody (Concentrated) | 1 x 130 µL |
| Antibody diluent buffer | 1 x 12 mL |
| Avidin-Biotin-Peroxidase Complex (ABC) (Concentrated) | 1 x 130 µL |
| ABC diluent buffer | 1 x 12 mL |
| TMB substrate | 1 x 10 mL |
| Stop solution | 1 x 10 mL |
| Wash buffer (25X) | 1 x 30 mL |

3. HAZARDS IDENTIFICATION

| <u>Known Hazardous Components</u> | <u>CAS Number</u> | <u>Percent</u> |
|-----------------------------------|-------------------|----------------|
| Proclin 300 | 96118-96-6 | |
| Sample / Standard diluent buffer | | 0.05% |
| Antibody diluent buffer | | 0.05% |
| ABC diluent buffer | | 0.05% |

Known Hazardous Components CAS Number Percent

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| | | |
|--|-------------------|----------------|
| Sulfuric acid Stop solution | 7664-93-9 | 2N |
| <u>Known Hazardous Components</u> | <u>CAS Number</u> | <u>Percent</u> |
| 3,3'- 5,5'-Tetramethylbenzidine TMB substrate | 54827-17-7 | 0.04% |

4. FIRST AID MEASURES

| | |
|---------------------------|--|
| Skin contact | Wash off immediately with plenty of water. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. |
| Ingestion | Never give anything by mouth to an unconscious person. |
| Inhalation | Move to fresh air. |
| Notes to physician | Treat symptomatically. |

5. FIRE FIGHTING MEASURES

| | |
|--|--|
| Suitable extinguishing media | Dry chemical |
| Special protective equipment for firefighters | Wear self-contained breathing apparatus and protective suit. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|--------------------------------|---------------------------------------|
| Personal precautions | Use personal protective equipment |
| Methods for cleaning up | Soak up with inert absorbent material |

7. HANDLING AND STORAGE

| | |
|-----------------|-------------------------------------|
| Handling | No special handling advice required |
| Storage | Keep in property labeled containers |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

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Safety shower and eye bath, mechanical exhaust required. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Avoid inhalation. Avoid contact with eyes, skin and clothing. Store as indicated on product label. Avoid prolonged or repeated exposure.

SPECIAL PROTECTIVE EQUIPMENT: Wear suitable protective clothing, including gloves, safety glasses, dust mask, and a laboratory coat.

SPECIAL PRECAUTIONS: Not for human or drug use. Not for household use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Sample / Standard diluent buffer

Form: liquid

Colour: colorless

Odour: odorless

Boiling point: approx. 100°C

Flashpoint: not applicable

Autoignition temperature: not self-igniting

Explosion properties: not explosive.

Vapour pressure: undetermined.

Solubility: Water: 100%.

Solvent percentage: < 0.0%

TMB substrate

Form: liquid

Colour: colorless

Odour: odorless

Boiling point: approx. 100°C

Flashpoint: not applicable

Autoignition temperature: product is not self-igniting

Explosion properties: not explosive.

Vapour pressure: undetermined.

Solubility: Water: 100%.

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Solvent percentage: < 0.0%

Stop Solution

Form: liquid

Colour: colorless

Odour: odorless

Boiling point: approx. 100°C

Flashpoint: not applicable

Autoignition temperature: product is not self-igniting

Explosion properties: not explosive.

Vapour pressure: undetermined.

Solubility: Water: 100%.

Solvent percentage: < 0.0%

Antibody diluent buffer

Form: liquid

Colour: colorless

Odour: odorless

Boiling point: approx. 100°C

Flashpoint: not applicable

Autoignition temperature: product is not self-igniting

Explosion properties: not explosive.

Vapour pressure: undetermined.

Solubility: Water: 100%.

Solvent percentage: < 0.0%

ABC diluent buffer

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Form: liquid
Colour: colorless
Odour: odorless
Boiling point: approx. 100°C
Flashpoint: not applicable
Autoignition temperature: product is not self-igniting
Explosion properties: not explosive.
Vapour pressure: undetermined.
Solubility: Water: 100%.
Solvent percentage: < 0.0%

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Stability | Stable under normal conditions |
| Materials to avoid | No information available |
| Hazardous decomposition products | No information available |
| Polymerization | Hazardous polymerization does not occur |

11. TOXICOLOGICAL INFORMATION

Principle Routes of Exposure/Potential Health effects

| | |
|-------------------|-------------------------------|
| Eyes | No information available |
| Skin | Harmful in contact with skin. |
| Inhalation | Harmful by inhalation. |
| Ingestion | Harmful if swallowed. |

Specific effects

| | |
|------------------------------|--|
| Carcinogenic effects | No information available |
| Mutagenic effects | No information available |
| Reproductive toxicity | No information available |
| Sensitization | No information available |
| Target Organ Effects | Skin, respiratory system. Gastrointestinal tract (GI). |

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12. ECOLOGICAL INFORMATION

| | |
|----------------------------|--------------------------|
| Ecotoxicity effects | No information available |
| Mobility | No information available |
| Biodegradation | No information available |
| Bioaccumulation | No information available |

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA

| | |
|-----------------------------|---|
| Proper shipping name | Not classified as dangerous in the meaning of transport regulations |
| Hazard Class | No information available |
| Subsidiary Class | No information available |
| Packing group | No information available |
| UN-No | No information available |

15. REGULATORY INFORMATION

Observe the general safety regulations when handling chemicals. No single component contains a hazardous ingredient in an amount that requires identification and labelling.

16. OTHER INFORMATION

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since IBL-America cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

End of Material Safety Data Sheet

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