


SAFETY DATA SHEET (SDS)

Product Name: Catalog Number: Product ID Number (CAS #) Intended use of the product: ZeptoMetrix LLC 878 Main Street Buffalo, New York 14202 USA Phone: (716) 882-0920 Fax: (716) 882-0959 Emergency telephone number:	HIV Type 1 p24 Extended Range Kit 0801137 No Data Available For research or further manufacturing only. (716) 882-0920 or 1 (800) 274-5487 (US Toll Free) Monday-Friday 8:15 am- 4:45 pm EST
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Component Number	Component Description	Hazard Identifications
0702037	HIV-1 p24 Antigen Extended Range Standard	Warning
1001159	Substrate Tablets (o-Phenylenediamine dihydrochloride & urea-hydrogen peroxide)	

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SAFETY DATA SHEET (SDS)

1. Product Identification:

Product Name:	HIV-1 p24 Extended Range Antigen Standard
Catalog Number:	0702037
Product ID Number (CAS #)	No Data Available
Intended use of the product:	For research or further manufacturing only.
ZeptoMetrix LLC	
878 Main Street	
Buffalo, New York 14202 USA	
Phone: (716) 882-0920 Fax: (716) 882-0959	
Emergency telephone number:	(716) 882-0920 or 1 (800) 274-5487 (US Toll Free) Monday-Friday 8:15 am- 4:45 pm EST

2. Hazard(s) Identification:

Classification of the substance or chemical:	
Classification:	No Data Available
Hazard Pictograms	
Signal word:	Warning
Hazard statements:	Use Universal Precautions
Precautionary statement:	All materials and mixtures may present unknown hazards and should be handled as if capable of transmitting infectious agents.
Other hazards:	No Data Available
Unknown acute toxicity:	No Data Available

3. Composition/Information on Ingredients:

<u>Component Name</u>	<u>CAS Number</u>	<u>Concentration</u>	<u>Classification</u>
Viral Lysate at Biosafety Level 1)	N/A	< 0.1 µg/ml	N/A

4. First Aid/Emergency Measures:

Description of first aid measures	
First-aid measures general:	If you feel unwell, seek medical advice.
First-aid measures after Eye Contact:	Rinse cautiously with copious amounts of water for several minutes.
First-aid measures after Skin Contact:	Remove contaminated clothing and immediately rinse skin with copious amounts of water followed by washing with soap and copious amounts of water.
First-aid measures after Ingestion:	If the person is unconscious, seek emergency medical attention: never give anything by mouth to an unconscious person. If the person is conscious, wash mouth out with copious amounts of water and call a physician. Do not induce vomiting unless directed to do so by a physician.
First-aid measures after Inhalation:	If person is unconscious, seek emergency medical attention. If person is conscious, remove to fresh air and call a physician.
Most important symptoms and effects, both acute and delayed	
Symptoms/injuries after Eye Contact:	Seek medical assistance if persist.
Symptoms/injuries after Skin Contact:	Seek medical assistance if persist.
Symptoms/injuries after Ingestion:	Seek medical assistance if persist.
Symptoms/injuries after Inhalation:	Seek medical assistance if persist.
Indication of any immediate medical attention and special treatment needed : No special measures required	

5. Fire and Explosion Measures:

Extinguishing Media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding area.
 Unsuitable extinguishing media: Use an extinguishing agent suitable for the surrounding area.

Special hazards arising from the substance or mixture

Fire hazard: No Data Available
 Explosion hazard: No Data Available
 Reactivity: No Data Available

Advice for firefighters

Firefighting instructions: Exercise caution when fighting a fire.
 Protection during firefighting: Firefighters should wear protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures:

Personal precautions, protective equipment and emergency procedures

General measures: Use appropriate personal protective equipment (PPE) and appropriate laboratory procedures.

For non-emergency personnel

Protective equipment: Use appropriate personal protective equipment (PPE).
 Emergency procedures: Use appropriate emergency laboratory procedures.

For emergency responders

Protective equipment: Use appropriate personal protective equipment (PPE).
 Emergency procedures: Use appropriate emergency procedures.

Methods and material for containment and cleaning up

For containment: Contain material in accordance to State and Federal regulations.
 Methods for cleaning up: Follow and dispose of material in accordance to State and Federal waste disposal regulations.

7. Handling and Storage:

Precautions for safe handling

Precautions for safe handling: Handle in accordance with good laboratory practices and safety procedures.

Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a dry and cool place. Keep container closed when not in use.
 Incompatible products: No Data Available
 Incompatible materials: No Data Available
 Storage: Recommended storage temperature 2-8 Degrees Celsius.

8. Exposure Controls and Personal Protection:

Exposure Controls

Appropriate engineering controls: Handle in accordance with good laboratory practices and safety procedures.
 Personal Protective Equipment: Use laboratory coat, protective gloves, safety glasses and suitable protective clothing.

Pictograms:



Eye/Face protection: Wear in accordance with good laboratory practices and safety procedures.
 Skin and body protection: Wear in accordance with good laboratory practices and safety procedures.
 Respiratory protection: Wear in accordance with good laboratory practices and safety procedures.
 Hand protection: Wear in accordance with good laboratory practices and safety procedures.
 Mechanical protection: Wear in accordance with good laboratory practices and safety procedures.
 Special work practices: Wear in accordance with good laboratory practices and safety procedures.

9. Physical and Chemical Properties:

Information on basic physical and chemical properties

Physical State: Liquid
 Appearance/color: Clear to Amber
 Odor: No Data Available
 Odor threshold: No Data Available

pH:	7.2-7.4
Melting point/freezing point:	No Data Available
Boiling point:	No Data Available
Flash point:	No Data Available
Evaporation rate:	No Data Available
Flammability:	No Data Available
Upper/lower flammability or explosive limits:	No Data Available
Vapor pressure:	No Data Available
Vapor density:	No Data Available
Relative density:	No Data Available
Solubility(ies):	No Data Available
Partition coefficient:	No Data Available
Auto-ignition temperature:	No Data Available
Decomposition temperature:	No Data Available
Viscosity:	No Data Available
Other information:	No Data Available

10. Stability and Reactivity:

Reactivity:	No Data Available
Chemical stability:	This product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	No Data Available
Incompatible materials:	No Data Available
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information:

Information on toxicological effects

Skin corrosion/irritation:	No Data Available
Eye damage/irritation:	No Data Available
Respiratory damage/irritation:	No Data Available
Ingestion damage/irritation:	No Data Available
Specific target organ toxicity (single exposure):	No Data Available
Specific target organ toxicity (repeated exposure):	No Data Available
Numerical measure of toxicity:	No Data Available
Symptoms/injuries after skin contact:	No Data Available
Symptoms/injuries after eye contact:	No Data Available
Symptoms/injuries after inhalation:	No Data Available
Symptoms/injuries after ingestion:	No Data Available

12. Ecological Information:

Ecotoxicity:	No Data Available
Persistence and degradability:	No Data Available
Bioaccumulative potential:	No Data Available
Mobility in soil:	No Data Available
Other adverse effects:	No Data Available

13. Disposal Information:

Waste disposal recommendations:	Dispose of material in accordance to local, State and Federal waste disposal regulations.
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14. Transport Information:

In accordance with IATA Regulations	
UN number	No Data Available
UN proper shipping name	No Data Available
Department of Transportation (DOT)	No Data Available
Hazard Classes	No Data Available
Hazard labels (DOT)	No Data Available
Packing group (DOT)	No Data Available
Environmental hazards	No Data Available
Transport in bulk	No Data Available
Special precautions	No Data Available

15. Regulatory Information:

SARA 311/312: Hazard categories for SARA Section 311/312 Reporting	No Data Available
Canadian WHMIS Classification	No Data Available
EU Classification (90/492/EE)	No Data Available
EU Risk and Safety Phrases	No Data Available
California Proposition 65: This product contains the following substances known to the State of California to cause Reproductive Toxicity (birth defects).	No Data Available

16. Other Information:

Preparation Date	2021/06/24
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All materials and mixtures may present unknown hazards and should be handled and used with caution. When necessary or appropriate, independent opinion regarding the risk of handling or exposure should be obtained from trained professionals.

SAFETY DATA SHEET (SDS)

1. Product Identification:

Product Name:	Substrate Tablets (o-Phenylenediamine dihydrochloride & urea-hydrogen peroxide)
Catalog Number:	1001159
Product ID Number (CAS #)	See Sigma product number P9187
Intended use of the product:	For research or further manufacturing only.
ZeptoMetrix LLC	
878 Main Street	
Buffalo, New York 14202 USA	
Phone: (716) 882-0920 Fax: (716) 882-0959	
Emergency telephone number:	(716) 882-0920 or 1 (800) 274-5487 (US Toll Free) Monday-Friday 8:15 am- 4:45 pm EST

2. Hazard(s) Identification:

Classification of the substance or chemical:	Acute toxicity, Oral (Category 4), H302 Skin irritation (Category 2), H315 Serious eye damage (Category 1), H318 Skin sensitisation (Category 1), H317 Germ cell mutagenicity (Category 2), H341 Carcinogenicity (Category 2), H351 Acute aquatic toxicity (Category 1), H400 Chronic aquatic toxicity (Category 1), H410
Classification:	
Hazard Pictograms	
Signal word:	Danger
Hazard statements:	<p>H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H410 Very toxic to aquatic life with long lasting effects.</p> <p>P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/ eye protection/ face protection. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/ physician. P321 Specific treatment (see supplemental first aid instructions on this label). P330 Rinse mouth. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse. P391 Collect spillage. P405 Store locked up. P501 Dispose of contents/ container to an approved waste disposal plant.</p>
Precautionary statement:	
Other hazards:	No Data Available
Unknown acute toxicity:	No Data Available

3. Composition/Information on Ingredients:

<u>Component Name</u>	<u>CAS Number</u>	<u>Concentration</u>	<u>Classification</u>
Citric acid	77-92-9	>= 30 - < 50 %	Eye Irrit. 2A; H319
o-Phenylenediamine dihydrochloride	615-28-1	>= 5 - < 10 %	Acute Tox. 3; Acute Tox. 4; Eye Irrit. 2A; Skin Sens. 1; Muta. 2; Carc. 2; Aquatic Acute 1; Aquatic Chronic 1;

Hydrogen peroxide-Urea	124-43-6	>= 1 - < 5 %	H301, H312 + H332, H317,H319, H341, H351, H410 Ox. Sol. 3; Skin Corr. 1B; Eye Dam. 1; H272, H314
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4. First Aid/Emergency Measures:

Description of first aid measures	
First-aid measures general:	If you feel unwell, seek medical advice.
First-aid measures after Eye Contact:	Rinse cautiously with copious amounts of water for several minutes.
First-aid measures after Skin Contact:	Remove contaminated clothing and immediately rinse skin with copious amounts of water followed by washing with soap and copious amounts of water.
First-aid measures after Ingestion:	If the person is unconscious, seek emergency medical attention: never give anything by mouth to an unconscious person. If the person is conscious, wash mouth out with copious amounts of water and call a physician. Do not induce vomiting unless directed to do so by a physician.
First-aid measures after Inhalation:	If person is unconscious, seek emergency medical attention. If person is conscious, remove to fresh air and call a physician.
Most important symptoms and effects, both acute and delayed	
Symptoms/injuries after Eye Contact:	Seek medical assistance if persist.
Symptoms/injuries after Skin Contact:	Seek medical assistance if persist.
Symptoms/injuries after Ingestion:	Seek medical assistance if persist.
Symptoms/injuries after Inhalation:	Seek medical assistance if persist.
Indication of any immediate medical attention and special treatment needed : No Data Available	

5. Fire and Explosion Measures:

Extinguishing Media	
Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media:	Use an extinguishing agent suitable for the surrounding area.
Special hazards arising from the substance or mixture	
Fire hazard:	No Data Available
Explosion hazard:	No Data Available
Reactivity:	Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas
Advice for firefighters	
Firefighting instructions:	Exercise caution when fighting a fire.
Protection during firefighting:	Firefighters should wear protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures:

Personal precautions, protective equipment and emergency procedures	
General measures:	Use appropriate personal protective equipment (PPE) and appropriate laboratory procedures. Wear respiratory protection. Avoid dust formation.
For non-emergency personnel	
Protective equipment:	Use appropriate personal protective equipment (PPE).
Emergency procedures:	Use appropriate emergency laboratory procedures.
For emergency responders	
Protective equipment:	Use appropriate personal protective equipment (PPE).
Emergency procedures:	Use appropriate emergency procedures.
Methods and material for containment and cleaning up	
For containment:	Pick up and arrange disposal with creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Methods for cleaning up:	Pick up and arrange disposal with creating dust. Sweep up and shovel.

7. Handling and Storage:

Precautions for safe handling	
Precautions for safe handling:	Handle in accordance with good laboratory practices and safety procedures.
Conditions for safe storage, including any incompatibilities	
Storage conditions:	Store in a dry and cool place. Keep container closed when not in use.
Incompatible products:	No Data Available
Incompatible materials:	Heat, light and moisture-sensitive
Storage:	Recommended storage temperature 2-8 Degrees Celsius.

8. Exposure Controls and Personal Protection:

Exposure Controls	
Appropriate engineering controls:	Handle in accordance with good laboratory practices and safety procedures.
Personal Protective Equipment:	Use laboratory coat, protective gloves, safety glasses and suitable protective clothing.
Pictograms:	
Eye/Face protection:	Wear in accordance with good laboratory practices and safety procedures.
Skin and body protection:	Wear in accordance with good laboratory practices and safety procedures.
Respiratory protection:	Wear in accordance with good laboratory practices and safety procedures.
Hand protection:	Wear in accordance with good laboratory practices and safety procedures.
Mechanical protection:	Wear in accordance with good laboratory practices and safety procedures.
Special work practices:	Wear in accordance with good laboratory practices and safety procedures.

9. Physical and Chemical Properties:

Information on basic physical and chemical properties	
Physical State:	Solid (Tablet)
Appearance/color:	White
Odor:	No Data Available
Odor threshold:	No Data Available
pH:	No Data Available
Melting point/freezing point:	No Data Available
Boiling point:	No Data Available
Flash point:	No Data Available
Evaporation rate:	No Data Available
Flammability:	No Data Available
Upper/lower flammability or explosive limits:	No Data Available
Vapor pressure:	No Data Available
Vapor density:	No Data Available
Relative density:	No Data Available
Solubility(ies):	No Data Available
Partition coefficient:	No Data Available
Auto-ignition temperature:	No Data Available
Decomposition temperature:	No Data Available
Viscosity:	No Data Available
Other information:	No Data Available

10. Stability and Reactivity:

Reactivity:	No Data Available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No Data Available
Conditions to avoid:	No Data Available
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	No Data Available

11. Toxicological Information:

Information on toxicological effects	
Skin corrosion/irritation:	No Data Available
Eye damage/irritation:	No Data Available
Respiratory damage/irritation:	No Data Available
Ingestion damage/irritation:	No Data Available
Specific target organ toxicity (single exposure):	No Data Available
Specific target organ toxicity (repeated exposure):	No Data Available
Numerical measure of toxicity:	No Data Available
Symptoms/injuries after skin contact:	No Data Available
Symptoms/injuries after eye contact:	No Data Available
Symptoms/injuries after inhalation:	No Data Available
Symptoms/injuries after ingestion:	No Data Available

12. Ecological Information:

Ecotoxicity:	No Data Available
Persistence and degradability:	No Data Available
Bioaccumulative potential:	No Data Available
Mobility in soil:	No Data Available
Other adverse effects:	No Data Available

13. Disposal Information:

Waste disposal recommendations:	Dispose of material in accordance to local, State and Federal waste disposal regulations.
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14. Transport Information:

In accordance with IATA Regulations	
UN number	3316
UN proper shipping name	Chemical Kits
Department of Transportation (DOT)	
Hazard Classes	9
Hazard labels (DOT)	No Data Available
Packing group (DOT)	III
Environmental hazards	No Data Available
Transport in bulk	Reportable Quantity (RQ) 9438
Special precautions	No Data Available

15. Regulatory Information:

SARA 311/312: Hazard categories for SARA	Acute Health Hazard, Chronic Health Hazard
Section 311/312 Reporting	
Canadian WHMIS Classification	No Data Available
EU Classification (90/492/EE)	No Data Available
EU Risk and Safety Phrases	No Data Available
California Proposition 65: This product contains the following substances known to the State of California to cause Reproductive Toxicity (birth defects).	0-Phenylenediamine dihydrochloride

16. Other Information:

Preparation Date	2021/06/24
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