

# SAFETY DATA SHEET

BioOcean<sup>®</sup> Human Cystatin C ELISA Kit

# Section 1. Identification

GHS product identifier Code: BioOcean® Human Cystatin C ELISA Kit, EK1114 Other means of identification: Not available Trade name: Human Cystatin C ELISA Kit Supplier/Manufacturer 3550 Lexington Ave, Suite 203, Shoreview, Minnesota 55126 In case of emergency: Bio-Ocean: 1-800-852-7601

# Section 2. Hazards identification

OSHA/HCS status:	BioOcean® anti-Human Cystatin C detect antibody(100X)	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	employees and other users of this product. While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
	BioOcean® Streptavidin-HRP (100x) and Substrate Reagent	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
	BioOcean <sup>®</sup> Stop Solution	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture:	BioOcean® anti-Human Cystatin C detect antibody(100X)	Not classified.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Not classified.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not classified.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	Not classified.
	BioOcean <sup>®</sup> Stop Solution	Not classified.
GHS label elements		
Signal word	BioOcean® anti-Human Cystatin C detect antibody(100X)	No signal word.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	No signal word.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate	No signal word. No signal word.
	Reagent BioOcean® Stop Solution	No signal word.
		0
Hazard statements	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	No known significant effects or critical hazards.
	BioOcean® Human Cystatin C Standard (lyophilized)	No known significant effects or critical hazards.
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	No known significant effects or critical hazards.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	No known significant effects or critical hazards.
	BioOcean <sup>®</sup> Stop Solution	No known significant effects or critical hazards.
Precautionary statements General	BioOcean® anti-Human Cystatin C detect antibody(100X)	Not applicable.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Not applicable.



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	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not applicable.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	Not applicable.
	BioOcean <sup>®</sup> Stop Solution	Not applicable.
Descention	BioOcean <sup>®</sup> anti-Human Cystatin C detect	Not applicable.
Prevention	antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized)	Not applicable.
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay,	Not applicable.
	Diluent or Washing buffer) BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate	Not applicable.
	Reagent BioOcean <sup>®</sup> Stop Solution	Not applicable.
Response	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not applicable.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Not applicable.
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay,	Not applicable.
	Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate	Not applicable.
	Reagent BioOcean <sup>®</sup> Stop Solution	Not applicable.
Storage	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not applicable.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Not applicable.
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay,	Not applicable.
	Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent	Not applicable.
	BioOcean <sup>®</sup> Stop Solution	Not applicable.
Disposal	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not applicable.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Not applicable.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streatavidin HBP (100v) and Substrate	Not applicable.
	BioOcean® Streptavidin-HRP (100x) and Substrate Reagent BioOcean® Stop Solution	Not applicable. Not applicable.
		not approable.
Supplemental label elements	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	None known.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	None known.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	None known.
	BioOcean® Streptavidin-HRP (100x) and Substrate Reagent	None known.
	BioOcean <sup>®</sup> Stop Solution	None known.
Hazards not otherwise	BioOcean® anti-Human Cystatin C detect	None known.
classified	antibody(100X)	
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	None known.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate	None known. None known.
	Reagent	NOTE RIOWI.
	BioOcean <sup>®</sup> Stop Solution	None known.

# Section 3. Composition/information on ingredients

Substance/mixture: Mixture	-	
Ingredient name	%	CAS number
BioOcean <sup>®</sup> Human Cystatin C Standard	99.9-100	-

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

# Section 4. First aid measures



Section 4: Thist and measure		
Description of necessary first aid	Measures BioOcean <sup>®</sup> anti-Human Cystatin C detect	Immediately fluch ever with planty of water accordingally lifting the
Eye contact	antibody(100X)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	BioOcean® Streptavidin-HRP (100x) and Substrate Reagent	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	BioOcean <sup>®</sup> Stop Solution	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	BioOcean® anti-Human Cystatin C detect antibody(100X)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	BioOcean® Human Cystatin C Standard (lyophilized)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable
	Reagent Stop Solution	for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	BioOcean® anti-Human Cystatin C detect antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated
	BioOcean® PBS Buffer with Tween 20 (Assay,	clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated
	Diluent or Washing buffer) BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate	clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated
	Reagent BioOcean <sup>®</sup> Stop Solution	clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by
	BioOcean® Human Cystatin C Standard (lyophilized)	medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	BioOcean <sup>®</sup> Stop Solution	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Most important symptoms/effects	, acute and delayed Potential acute hea	
Eye contact	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	No known significant effects or critical hazards.
	BioOcean® Human Cystatin C Standard (lyophilized)	No known significant effects or critical hazards.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate	No known significant effects or critical hazards. No known significant effects or critical hazards.
	Reagent BioOcean <sup>®</sup> Stop Solution	- No known significant effects or critical hazards.
Inhalation	BioOcean® anti-Human Cystatin C detect antibody(100X)	No known significant effects or critical hazards.
	BioOcean® Human Cystatin C Standard (lyophilized)	No known significant effects or critical hazards.



	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay,	A BETTER APPROACH FOR BIOLOGICAL RESEARCH No known significant effects or critical hazards.
	Diluent or Washing buffer)	-
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	No known significant effects or critical hazards.
	BioOcean <sup>®</sup> Stop Solution	No known significant effects or critical hazards.
Skin contact	BioOcean® anti-Human Cystatin C detect antibody(100X)	No known significant effects or critical hazards.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	No known significant effects or critical hazards.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	No known significant effects or critical hazards.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	No known significant effects or critical hazards.
	BioOcean <sup>®</sup> Stop Solution	No known significant effects or critical hazards.
Ingestion	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	No known significant effects or critical hazards.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	No known significant effects or critical hazards.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	No known significant effects or critical hazards.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	No known significant effects or critical hazards.
	BioOcean <sup>®</sup> Stop Solution	No known significant effects or critical hazards.
Over-exposure signs/symptoms		No energia dete
Eye contact	BioOcean® anti-Human Cystatin C detect antibody(100X)	No specific data.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	No specific data.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	No specific data.
	BioOcean® Streptavidin-HRP (100x) and Substrate Reagent	No specific data.
	BioOcean <sup>®</sup> Stop Solution	No specific data.
Inhalation	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	No specific data.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	No specific data.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	No specific data.
	BioOcean® Streptavidin-HRP (100x) and Substrate Reagent	No specific data.
	BioOcean <sup>®</sup> Stop Solution	No specific data.
Skin contact	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	No specific data.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	No specific data.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	No specific data.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	No specific data.
	BioOcean <sup>®</sup> Stop Solution	No specific data.
Ingestion	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	No specific data.
	BioOcean® Human Cystatin C Standard (lyophilized)	No specific data.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	No specific data.
	BioOcean® Streptavidin-HRP (100x) and Substrate Reagent	No specific data.
to draw the set of the second table and draw the	BioOcean <sup>®</sup> Stop Solution	No specific data.

Indication of immediate medical attention and special treatment needed, if necessary, see toxicological information (Section 11)

Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	No specific treatment
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.

# Section 5. Fire-fighting measures

### Extinguishing media

Suitable extinguishing media	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Use an extinguishing agent suitable for the surrounding fire.
	BioOcean® Human Cystatin C Standard (lyophilized)	Use an extinguishing agent suitable for the surrounding fire.



Unsuitable extinguishing media	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent BioOcean® Stop Solution BioOcean® anti-Human Cystatin C detect antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® Steptavidin-HRP (100x) and Substrate Reagent BioOcean® Stop Solution	A BETTER APPROACH FOR BIOLOGICAL RESEARCH Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. None known. None known. None known. None known.
Specific hazards arising from the chemical	BioOcean® anti-Human Cystatin C detect antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent BioOcean® Stop Solution	None known. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	BioOcean® anti-Human Cystatin C detect antibody(100X) BioOcean® Human Cystatin C Standard (Iyophilized) BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent BioOcean® Stop Solution	No specific data. No specific data. No specific data. No specific data. No specific data.
Special protective actions for fire-fighters	BioOcean® anti-Human Cystatin C detect antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent BioOcean® Stop Solution	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	BioOcean® anti-Human Cystatin C detect antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent BioOcean® Stop Solution	<ul> <li>Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</li> <li>Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</li> <li>Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</li> <li>Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</li> <li>Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</li> <li>Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</li> </ul>

# Section 6. Accidental release measures

For non-emergency personnel

Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.



For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable	
Environmental precautions	and unsuitable materials. See also the information in "For non- emergency personnel". Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).	
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Methods and materials for o	containment and cleaning up
Small spill	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage Precautions for safe handling

Precautions for safe handling		
Protective measures	BioOcean® anti-Human Cystatin C detect antibody(100X)	Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8).
	BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent BioOcean® Stop Solution	<ul> <li>Put on appropriate personal protective equipment (see Section</li> <li>8). Put on appropriate personal protective equipment (see Section</li> <li>8). Put on appropriate personal protective equipment (see Section</li> <li>8). Put on appropriate personal protective equipment (see Section 8).</li> <li>Put on appropriate personal protective equipment (see Section</li> <li>8). Put on appropriate personal protective equipment (see Section</li> <li>8). Put on appropriate personal protective equipment (see Section</li> <li>8). Put on appropriate personal protective equipment (see Section</li> <li>8). Put on appropriate personal protective equipment (see Section</li> <li>8). Put on appropriate personal protective equipment (see Section</li> </ul>
Advice on general occupational hygiene	BioOcean® anti-Human Cystatin C detect antibody(100X)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	BioOcean® Human Cystatin C Standard (lyophilized)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	BioOcean® Streptavidin-HRP (100x) and Substrate Reagent	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	BioOcean <sup>®</sup> Stop Solution	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage including any incompatibilities	BioOcean® anti-Human Cystatin C detect antibody(100X)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containement to avoid environmental contamination. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry,
	BioOcean® Human Cystatin C Standard (lyophilized)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry,
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area,



BioOcean<sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent

BioOcean® Stop Solution

A BETTER APPROACH FOR BIOLOGICAL RESEARCH away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry,

# Section 8. Exposure controls/personal protection

**Control parameters** 

Occupational exposure limits None

Appropriate engineering controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures	
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side- shields.
Skin protection	
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

Physical state	BioOcean® anti-Human Cystatin C detect antibody(100X)	Liquid.
	BioOcean® Human Cystatin C Standard (Iyophilized)	Solid
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Liquid.
	BioOcean® Streptavidin-HRP (100x) and Substrate Reagent	Liquid.
	BioOcean <sup>®</sup> Stop Solution	Liquid.

### SDS, BioOcean<sup>®</sup> Human Cystatin C ELISA Kit V1



		A BETTER APPROACH FOR BIOLOGIC
Color	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Not available.
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not available.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	Not available.
	BioOcean <sup>®</sup> Stop Solution	Not available.
Odor	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Not available.
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not available.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	Not available.
	BioOcean <sup>®</sup> Stop Solution	Not available.
Flash point	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Not available.
	BioOcean® PBS Buffer with Tween 20 (Assay,	Not available.
	Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and	Not available.
	Substrate Reagent BioOcean® Stop Solution	Not available.
Auto-ignition temperature	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard	Not available.
	(lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay,	Not available.
	Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and	Not available.
	Substrate Reagent BioOcean <sup>®</sup> Stop Solution	Not available.
Flammable limits	BioOcean® anti-Human Cystatin C detect	Not available.
	antibody(100X) BioOcean <sup>®</sup> Human Cystatin C Standard	Not available.
	(lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay,	Not available.
	Diluent or Washing buffer) BioOcean <sup>®</sup> Streptavidin-HRP (100x) and	Not available.
	Substrate Reagent BioOcean <sup>®</sup> Stop Solution	Not available.
Molecular weight	BioOcean <sup>®</sup> anti-Human Cystatin C detect	Not available.
	antibody(100X) BioOcean® Human Cystatin C Standard	Not available.
	(lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay,	Not available.
	Diluent or Washing buffer) BioOcean <sup>®</sup> Streptavidin-HRP (100x) and	Not available.
	Substrate Reagent BioOcean <sup>®</sup> Stop Solution	Not available.
Molecular formula	BioOcean <sup>®</sup> anti-Human Cystatin C detect	Not available.
	antibody(100X) BioOcean® Human Cystatin C Standard	Not available.
	(lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay,	Not available.
	Diluent or Washing buffer) BioOcean <sup>®</sup> Streptavidin-HRP (100x) and	Not available.
	Substrate Reagent BioOcean <sup>®</sup> Stop Solution	Not available.
рН	BioOcean <sup>®</sup> anti-Human Cystatin C detect	7.0-7.2
	antibody(100X) BioOcean® Human Cystatin C Standard	Not available
	(lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay,	7.0-7.2
	Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent	7.0-7.2
	-	

# SDS, BioOcean<sup>®</sup> Human Cystatin C ELISA Kit V1



		A BETTE
	BioOcean <sup>®</sup> Stop Solution	1.1-1.3
Boiling/condensation point	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard (Iyophilized)	Not available.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not available.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and	Not available.
	Substrate Reagent BioOcean <sup>®</sup> Stop Solution	Not available.
Melting/freezing point	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Not available.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not available.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and	Not available.
	Substrate Reagent BioOcean <sup>®</sup> Stop Solution	Not available.
Relative density	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard (Iyophilized)	Not available.
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay,	Not available.
	Diluent or Washing buffer) BioOcean <sup>®</sup> Streptavidin-HRP (100x) and	Not available.
	Substrate Reagent BioOcean <sup>®</sup> Stop Solution	Not available.
Vapor pressure	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Not available.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not available.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and	Not available.
	Substrate Reagent BioOcean <sup>®</sup> Stop Solution	Not available.
Vapor density	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard (Iyophilized)	Not available.
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not available.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	Not available.
	BioOcean <sup>®</sup> Stop Solution	Not available.
Volatility	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard (Iyophilized)	Not available.
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not available.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	Not available.
	BioOcean <sup>®</sup> Stop Solution	Not available.
Evaporation rate	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard (Iyophilized)	Not available.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not available.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	Not available.
	BioOcean <sup>®</sup> Stop Solution	Not available.
Viscosity	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard (Iyophilized)	Not available.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not available.

#### SDS, BioOcean<sup>®</sup> Human Cystatin C ELISA Kit V1



	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and	A BETTER APPROACH FOR BIOLOGICAL RESEARCH Not available.
	Substrate Reagent BioOcean® Stop Solution	Not available.
Solubility	BioOcean <sup>®</sup> anti-Human Cystatin C detect	Not available.
	antibody(100X) BioOcean® Human Cystatin C Standard (Iyophilized)	Not available.
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not available.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	Not available.
	BioOcean <sup>®</sup> Stop Solution	Not available.
Physical/chemical properties comments	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Not available.
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not available.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	Not available.
	BioOcean <sup>®</sup> Stop Solution	Not available.
Section 10. Stability and rea	ctivitv	
Reactivity	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	No specific test data related to reactivity available for this product or its ingredients.
	BioOcean® Human Cystatin C Standard (lyophilized)	No specific test data related to reactivity available for this product or its ingredients.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	No specific test data related to reactivity available for this product or its ingredients.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and	No specific test data related to reactivity available for this product or its ingredients.
	Substrate Reagent BioOcean <sup>®</sup> Stop Solution	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	The product is stable.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	The product is stable.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	The product is stable.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	The product is stable.
	BioOcean <sup>®</sup> Stop Solution	The sup dust is stable
		The product is stable.
		The product is stable.
Possibility of hazardous reactions	BioOcean® anti-Human Cystatin C detect antibody(100X)	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
Possibility of hazardous reactions	,	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous
Possibility of hazardous reactions	antibody(100X) BioOcean® Human Cystatin C Standard	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous
Possibility of hazardous reactions	antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay,	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous
Possibility of hazardous reactions	antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
Possibility of hazardous reactions	antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
Possibility of hazardous reactions	antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will
	antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent BioOcean® Stop Solution BioOcean® anti-Human Cystatin C detect antibody(100X) BioOcean® Human Cystatin C Standard	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
	antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent BioOcean® Stop Solution BioOcean® anti-Human Cystatin C detect antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay,	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. No specific data.
	antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized) BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer) BioOcean® Streptavidin-HRP (100x) and Substrate Reagent BioOcean® Stop Solution BioOcean® anti-Human Cystatin C detect antibody(100X) BioOcean® Human Cystatin C Standard (lyophilized)	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. No specific data.



		A BETTER APPROACHT ON DIOLOGICAL RESDARCH
Incompatible materials	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	No specific data.
	BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	No specific data.
	BioOcean® PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	No specific data.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	No specific data.
	BioOcean <sup>®</sup> Stop Solution	No specific data.
Hazardous decomposition	BioOcean <sup>®</sup> anti-Human Cystatin C detect	Under normal conditions of storage and use, hazardous
products	antibody(100X)	decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	BioOcean® Human Cystatin C Standard (lyophilized)	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay,	Under normal conditions of storage and use, hazardous
	Diluent or Washing buffer)	decomposition products should not be produced. Under normal
	bident of washing burley	conditions of storage and use, hazardous decomposition products should not be produced.
	BioOcean <sup>®</sup> Streptavidin-HRP (100x) and	Under normal conditions of storage and use, hazardous
	Substrate Reagent	decomposition products should not be produced. Under normal
		conditions of storage and use, hazardous decomposition products should not be produced.
	BioOcean <sup>®</sup> Stop Solution	Under normal conditions of storage and use, hazardous
		decomposition products should not be produced. Under normal
		conditions of storage and use, hazardous decomposition products

should not be produced.

# Section 11. Toxicological information

Information on toxicological effects Acute toxicity: Not available. Irritation/Corrosion: Not available. Sensitization: Not available. Mutagenicity: Not available. Carcinogenicity: Not available. Reproductive toxicity: Not available. Teratogenicity: Not available. Specific target organ toxicity (single exposure): Not available. Specific target organ toxicity (repeated exposure): Not available. Aspiration hazard: Not available. Information on the likely routes of exposure: Not available.

#### Potential acute health effects

Eye contact: Not available. Inhalation: Not available. Skin contact: Not available. Ingestion: Not available.

Symptoms related to the physical, chemical and toxicological characteristics Eye contact: Not available. Inhalation: Not available. Skin contact: Not available. Ingestion: Not available.

Delayed and immediate effects and also chronic effects from short and long term exposure Short term exposure: Not available. Potential immediate effects: Not available. Potential delayed effects: Not available. Potential immediate effects: Not available. Potential delayed effects: Not available. Potential delayed effects: Not available. Potential chronic health effects: General: Not available. Carcinogenicity: Not available.



Mutagenicity: Not	available		
Teratogenicity: Not			
<b>o</b> ,	ects: Not available.		
Fertility effects: No			
· ·		xicity estimates: Not available.	
Interactive effects		xicity estimates. Not available.	
Other information			
Section 12. Ec	ological informa	tion	
Toxicity: Not availa	ıble.		
Persistence and de	gradability: Not availa	able.	
Bioaccumulative p	otential: Not available	2.	
Mobility in soil			
Soil/water partiti	on: coefficient (K <sub>oc</sub> )	BioOcean <sup>®</sup> anti-Human Cystatin C detect antibody(100X)	Not available.
		BioOcean <sup>®</sup> Human Cystatin C Standard (lyophilized)	Not available.
		BioOcean <sup>®</sup> PBS Buffer with Tween 20 (Assay, Diluent or Washing buffer)	Not available.
		BioOcean <sup>®</sup> Streptavidin-HRP (100x) and Substrate Reagent	Not available.
		BioOcean <sup>®</sup> Stop Solution	Not available.

Mobility: Not available.

Other adverse effects: No known significant effects or critical hazards.

### Section 13. Disposal considerations

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	ΙΑΤΑ
UN number	Not available.	Not available.	Not available.	Not available.	Not available.	Not available.
UN proper shipping name	Not available.	Not available.	Not available.	Not available.	Not available.	Not available.
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-	-

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not available.

## Section 15. Regulatory information

U.S. Federal regulations: TSCA 8(a) CDR Exempt/Partial exemption: Not determined United States inventory (TSCA 8b): Not determined. Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed Clean Air Act Section 602 Class I Substances: Not listed Clean Air Act Section 602 Class II Substances: Not listed DEA List I Chemicals (Precursor Chemicals): Not listed DEA List II Chemicals (Essential Chemicals): Not listed SARA 302/304 Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
PioOcoon® Substrate Reagent			(lbs)	(gallons)	(lbs)	(gallons)
BioOcean <sup>®</sup> Substrate Reagent with hydrogen peroxide	0-1	Yes.	1000	106.1	1000	106.1

#### SARA 304 RQ: 68292000 lbs / 31004568 kg

SARA 311/312 Classification: Not applicable.

Composition/information on ingredients: No products were found.



### State regulations

Massachusetts: None of the components are listed. New York: None of the components are listed. New Jersey: None of the components are listed. Pennsylvania: None of the components are listed.

Section 15. Regulatory inform	nation				
International regulations					
Chemical Weapon Convention List Sch	edules I, II & III Chemicals				
Not listed.					
Montreal Protocol (Annexes A, B, C, E)					
Not listed.					
Stockholm Convention on Persistent O	rganic Pollutants				
Not listed.					
Rotterdam Convention on Prior Inform	n Consent (PIC)				
Not listed.					
UNECE Aarhus Protocol on POPs and H	leavy Metals				
Not listed.					
Canada					
WHMIS (Canada)         BioOcean® anti-Human Cystatin C detect         Not controlled under WHMIS (Canada antibody(100X)					
BioOcean® Human Cystatin C Standard Not controlled under WHMIS (Canada). (Ivophilized)					
BioOcean® PBS Buffer with Tween 20 (Assay, Not controlled under WHMIS (Canada). Diluent or Washing buffer)					
BioOcean® Streptavidin-HRP (100x) and Not controlled under WHMIS (Canada). Substrate Reagent					
BioOcean <sup>®</sup> Stop Solution Not controlled under WHMIS (Canada).					
Canadian lists Canadian NPRI: None of the components are listed. CEPA Toxic substances: None of the components are listed					

# Section 16. Other information

Canada inventory: Not determined.

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material. National Fire Protection Association (U.S.A.)



History Date of issue/Date of revision: 6/11/2016 Date of previous issue: No previous validation. Version: 1 Section 16. Other information Key to abbreviations: ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container



# IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.