



MATERIAL SAFETY DATA SHEET

Prostaglandin E₂ Monoclonal EIA Kit

Product Number: EA03

Revision Date: 11/13/08

Page 1 of 7

**MSDS: Prostaglandin E₂ Monoclonal EIA Kit
Product No. EA03**

This EIA Kit, is provided and produced by Oxford Biomedical Research as an in vitro diagnostic test kit for the sole purpose of research use.

Manufacturer:

Oxford Biomedical Research
2165 Avon Industrial Dr.
Rochester Hills, MI 48309
(248) 852-8815

Section 1 - Hazardous Components:

Component:	Hazardous Content:
EIA Buffer	None
Extraction Buffer	None
HRP Conjugate	None
Standard	None
TMB Substrate	Substrate Ingredient 1
Wash Buffer	None

Section 2 - Physical and Chemical Characteristics:

EIA Buffer:

Boiling Point: ~100°C
Vapor Pressure: Not Determined
Vapor Density: Not Determined
Solubility in Water: Soluble

Specific Gravity: Not Determined
Melting Point: N/A
Evaporation Rate: Not Determined
Appearance: Clear Liquid

Extraction Buffer:

Boiling Point: ~100°C
Vapor Pressure: Not Determined
Vapor Density: Not Determined
Solubility in Water: Soluble

Specific Gravity: Not Determined
Melting Point: N/A
Evaporation Rate: Not Determined
Appearance: Clear Liquid

HRP Conjugate:

Boiling Point: ~100°C
Vapor Pressure: Not Determined
Vapor Density: Not Determined
Solubility in Water: Soluble

Specific Gravity: Not Determined
Melting Point: N/A
Evaporation Rate: Not Determined
Appearance: Clear Liquid

Standard:

Boiling Point: ~100°C
Vapor Pressure: Not Determined
Vapor Density: Not Determined
Solubility in Water: Soluble

Specific Gravity: Not Determined
Melting Point: N/A
Evaporation Rate: Not Determined
Appearance: Clear Liquid

TMB Substrate:

Boiling Point: 81°C
Vapor Pressure: 0.29 mm Hg @ 20°C
Vapor Density: 3.4 (Air = 1)
Solubility in Water: Soluble

Specific Gravity: 1.033 (H₂O = 1)
Melting Point: N/A
Evaporation Rate: Not Determined
Appearance: Clear Liquid

Wash Buffer:

Boiling Point: ~100°C
Vapor Pressure: Not Determined
Vapor Density: Not Determined
Solubility in Water: Soluble

Specific Gravity: Not Determined
Melting Point: N/A
Evaporation Rate: Not Determined
Appearance: Clear Liquid

Section 3 - Fire and Explosion Hazard Data:**EIA Buffer:**

Flash Point: Not Determined
Special Fire Fighting Measures: None
Unusual Fire and Explosion Hazards: Carbon monoxide may be produced upon heating.
Auto-Ignition Temperature: Not Determined
Explosion Limits: Upper: Not Determined Lower: Not Determined

Extraction Buffer:

Flash Point: Not Determined
Special Fire Fighting Measures: None
Unusual Fire and Explosion Hazards: Carbon monoxide may be produced upon heating.
Auto-Ignition Temperature: Not Determined
Explosion Limits: Upper: Not Determined Lower: Not Determined

HRP Conjugate:

Flash Point: Not Determined
Special Fire Fighting Measures: Dry Chemical, CO₂, Water Spray
Unusual Fire and Explosion Hazards: Carbon monoxide may be produced upon heating.
Auto-Ignition Temperature: Not Determined
Explosion Limits: Upper: Not Determined Lower: Not Determined

Standard:

Flash Point: Not Determined

Special Fire Fighting Measures: Dry Chemical, CO₂, Water Spray

Unusual Fire and Explosion Hazards: Carbon monoxide may be produced upon heating.

Auto-Ignition Temperature: Not Determined

Explosion Limits: Upper: Not Determined Lower: Not Determined

TMB Substrate:

Flash Point: 103.9°C (187°F)

Special Fire Fighting Measures: Dry Chemical, CO₂, Water Spray

Unusual Fire and Explosion Hazards: Carbon monoxide and nitrogen oxides may be produced upon heating.

Auto-Ignition Temperature: Not Determined

Explosion Limits: Upper: 9.5% Lower: 1.3%

Wash Buffer:

Flash Point: Not Determined

Special Fire Fighting Measures: Dry Chemical, CO₂, Water Spray

Unusual Fire and Explosion Hazards: Carbon monoxide and nitrogen oxides may be produced upon heating.

Auto-Ignition Temperature: Not Determined

Explosion Limits: Upper: Not Determined Lower: Not Determined

Section 4 – Reactivity Hazard Data:**EIA Buffer:**

Stability: Stable

Conditions to Avoid: N/A

Hazardous Polymerization: Will Not Occur

Hazardous Decomposition/Byproducts: Carbon monoxide or carbon dioxide may be produced upon heating.

Material Incompatibility: Strong Oxidizing Agents

Extraction Buffer:

Stability: Stable

Conditions to Avoid: N/A

Hazardous Polymerization: Will Not Occur

Hazardous Decomposition/Byproducts: Carbon monoxide or carbon dioxide may be produced upon heating.

Material Incompatibility: Strong Oxidizing Agents

HRP Conjugate:

Stability: Stable

Conditions to Avoid: N/A

Hazardous Polymerization: Will Not Occur

Hazardous Decomposition/Byproducts: Carbon monoxide or carbon dioxide upon heating.

Material Incompatibility: Strong Oxidizing Agents

Standard:

Stability: Stable

Conditions to Avoid: N/A

Hazardous Polymerization: Will Not Occur

Hazardous Decomposition/Byproducts: Carbon monoxide or carbon dioxide may be produced upon heating.

Material Incompatibility: Strong Oxidizing Agents,

TMB Substrate:

Stability: Stable

Conditions to Avoid: N/A

Hazardous Polymerization: Will Not Occur

Hazardous Decomposition/Byproducts: Carbon monoxide, carbon dioxide, or nitrogen oxides may be produced upon heating.

Material Incompatibility: Strong Oxidizing Agents

Wash Buffer:

Stability: Stable

Conditions to Avoid: N/A

Hazardous Polymerization: Will Not Occur

Hazardous Decomposition/Byproducts: Carbon monoxide, carbon dioxide, or nitrogen oxides may be produced upon heating.

Material Incompatibility: Strong Oxidizing Agents

Section 5 - Health Hazard Data:

EIA Buffer:

Exposure Limits: OSHA PEL: N/A ACGIH TLV: N/A

Toxicity Data: N/A

Health Hazards: None Known

Chronic Exposure: N/A

Target Organs: None Known

First Aid: Ingestion: Wash mouth out with water if conscious and seek immediate medical attention.

Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.

Skin: Flush area with water for 15 minutes and seek immediate medical attention if irritation occurs. Remove contaminated clothing.

Eyes: Flush with water for 15 minutes while lifting eyelids and seek immediate medical attention.

Extraction Buffer:

Exposure Limits: OSHA PEL: N/A ACGIH TLV: N/A
Toxicity Data: N/A
Health Hazards: None Known
Chronic Exposure: N/A
Target Organs: None Known
First Aid: Ingestion: Wash out mouth with water if conscious and seek immediate medical attention.
Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.
Skin: Flush area with water for 15 minutes and seek immediate medical attention. Remove contaminated clothing.
Eyes: Flush with water for 15 minutes while lifting eyelids and seek immediate medical attention.

HRP Conjugate:

Exposure Limits: OSHA PEL: N/A ACGIH TLV: N/A
Toxicity Data: N/A
Health Hazards: None Known
Chronic Exposure: N/A
Target Organs: None Known
First Aid: Ingestion: Wash out mouth if conscious and seek immediate medical attention.
Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.
Skin: Flush area with water for 15 minutes and seek medical attention if irritation persists.
Eyes: Flush area with water for 15 minutes while lifting eyelids and seek immediate medical attention.

Standard:

Exposure Limits: OSHA PEL: N/A ACGIH TLV: N/A
Toxicity Data: N/A
Health Hazards: None Known
Chronic Exposure: N/A
Target Organs: None Known
First Aid: Ingestion: Wash out mouth with water if conscious and seek immediate medical attention.
Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.
Skin: Flush area with water for 15 minutes and seek immediate medical attention. Remove contaminated clothing.
Eyes: Flush with water for 15 minutes while lifting eyelids and seek immediate medical attention.

TMB Substrate:

Exposure Limits: OSHA PEL: N/A ACGIH TLV: N/A
Toxicity Data: N/A
Health Hazards: Direct contact with eyes, mucus membranes, skin, or respiratory track may cause irritation.
Chronic Exposure: Overexposure may cause reproductive disorders.
Target Organs: Eyes, Skin, Reproductive Organs
First Aid: Ingestion: Wash out mouth with water if conscious and seek immediate medical attention.
Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.
Skin: Flush area with water for 15 minutes and seek immediate medical attention. Remove contaminated clothing.
Eyes: Flush with water for 15 minutes while lifting eyelids and seek immediate medical attention.

Wash Buffer:

Exposure Limits: OSHA PEL: N/A ACGIH TLV: N/A
Toxicity Data: N/A
Health Hazards: None Known
Chronic Exposure: N/A
Target Organs: None Known
First Aid: Ingestion: Wash out mouth with water if conscious and seek immediate medical attention.
Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.
Skin: Flush area with water for 15 minutes and seek immediate medical attention. Remove contaminated clothing.
Eyes: Flush with water for 15 minutes while lifting eyelids and seek immediate medical attention.

Section 6 - Control Measures:

Respiratory Protection: None required with proper ventilation.
Ventilation: Requires local exhaust.
Protective Gloves: Proper disposable gloves.
Eye Protection: Safety glasses or goggles.
Other Protective Equipment: Uniform, lab coat, or disposable lab wear.
Work/Hygienic Practices: Follow usual precautionary measures for handling chemicals.
Keep away from food and beverages.

Section 7 - Handling and Use Precautions:

Accidental Release Measures: Wear suitable protective equipment to prevent inhalation, ingestion, or skin and eye contact. Clean up spills with a sponge, mop, or vermiculite.
Waste Disposal: Disposal shall be in accordance with local, state, or federal guidelines.

Handling and Storage: 4-8°C

The information provided in this document is believed to be correct, but does not purport to be all-inclusive. This document is to serve only as a guide. Oxford Biomedical Research shall not be held liable for damages resulting from handling or contact with the above product(s). The contents of this document are not reflective of or a substitute for state, municipal or insurance requirements and constitute no warranty of any kind.