This product, EA65M – Corticosterone 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:

<table>
<thead>
<tr>
<th>Component</th>
<th>Hazardous Content:</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIA Buffer</td>
<td>None</td>
</tr>
<tr>
<td>Extraction Buffer</td>
<td>None</td>
</tr>
<tr>
<td>HRP Conjugate</td>
<td>None</td>
</tr>
<tr>
<td>Standard</td>
<td>None</td>
</tr>
<tr>
<td>TMB Substrate</td>
<td>None</td>
</tr>
<tr>
<td>Wash Buffer</td>
<td>None</td>
</tr>
</tbody>
</table>

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:**

<table>
<thead>
<tr>
<th>Exposure Limits:</th>
<th>OSHA PEL: N/A         ACGIH TLV: N/A</th>
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<tr>
<td>Toxicity Data:</td>
<td>N/A</td>
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<td>Health Hazards:</td>
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</tr>
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<td>Chronic Exposure:</td>
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<td>Target Organs:</td>
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<td>First Aid:</td>
<td>Ingestion: Wash out mouth with water if conscious and seek immediate medical attention.</td>
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**HRP Conjugate:**

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<td>First Aid:</td>
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<td>Inhalation: Expose to fresh air and seek immediate medical attention. Give oxygen if breathing is difficult.</td>
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<td>Skin: Flush area with water for 15 minutes and seek medical attention if irritation persists.</td>
</tr>
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<td></td>
<td>Eyes: Flush area with water for 15 minutes while lifting eyelids and seek immediate medical attention.</td>
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**Standard:**

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<td>Eyes: Flush with water for 15 minutes while lifting eyelids and seek immediate medical attention.</td>
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</tbody>
</table>
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

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