

Name of the Product : **E. coli O157:H7 Detection Kit**  
Code No. : **MBPCR023**  
Section 1 : **Product & Company Information**  
Code No. : MBPCR023  
Name of the Product : E. coli O157:H7 Detection Kit  
Produced by : HiMedia Laboratories Pvt. Ltd.  
Address : 23, Vadhani Indl. Estate, LBS Marg, Mumbai 400 086, India.  
Tel. No. : 2500 0970, 2500 1607 Fax No. 022 2500 2468

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Section 2 : **Composition / Information on ingredients**

**Kit components**

Reagents provided

- Hi- SYBr Master Mix (MBT074)
- Primer Mixes
- Nuclease free water (ML065)

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Hi-SYBr Master Mix (MBT074)

Chemical characterization

Description : Proprietary mixture of various substances.

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Section 3 : **Hazards Identification**

Special indication of hazards to humans and the environment

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.  
May cause sensitization by inhalation.

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Section 4 : **First - Aid Measures**

In case of swallowing, wash out mouth with water provided person is conscious. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. In case of inhalation, remove to fresh air. If breathing becomes difficult, call physician. In case of contact with eyes, wash with copious amounts of water for at least 15 minutes. Assure adequate washing by separating the eyelids with fingers. In serious conditions, call a physician, show the container or label.

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Section 5 : **Fire Fighting Measures**

Extinguishing Media. Water spray.

Carbon dioxide, dry chemical powder or appropriate foam. Special firefighting procedures. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosion hazards. Emits toxic fumes under fire conditions.

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- Section 6 : **Accidental Release Measures**  
Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Do not allow product to reach sewage system or any water course.
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- Section 7 : **Handling and Storage**  
Handling - Refer to Section 8  
Storage - Store between - 20°C except certain components specified in each kit
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- Section 8 : **Exposure Controls/Personal Protection**  
Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.
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- Section 9 : **Physical and Chemical Properties**
- | Chemical            | Form   | Colour    | Odour    |
|---------------------|--------|-----------|----------|
| Hi-SYBr Master Mix  | Liquid | Colorless | Odorless |
| Primer Mix          | Liquid | Colorless | Odorless |
| Nuclease free water | Liquid | Colorless | Odorless |
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- Section 10 : **Stability and Reactivity**  
Stability : Product is stable if stored as per the conditions specified under storage of Section No. 7.  
Conditions to avoid : Strong oxidizing agents, strong bases or fire.
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- Section 11 : **Toxicological Information**  
Effects based on route of exposure : Irritant to eyes, skin, and respiratory tract.  
If Ingested : Causes low toxicity. Stomach pains, vomiting, diarrhoea, headache.
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- Section 12 : **Ecological Information**  
The potential effects of a single package on the environment are considerably low.  
Hazard to drinking water only if large amounts enter the subsoil and waters
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- Section 13 : **Disposal Considerations**  
Waste treatments methods  
**Product**  
Must not be disposed off together with household garbage. Do not allow product to reach sewage system. Offer surplus and non-recyclable solutions to a licensed disposal company.  
Contact a licensed professional waste disposal service to dispose of this material.  
**Contaminated packaging**  
Dispose of as unused product.
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- Section 14 : **Transport Information**  
UN No. : Not applicable
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- Section 15 : **Regulatory Information**  
R-Phrases: 20/21/22 - 36/37/38  
Harmful by inhalation.  
Harmful in contact with skin.  
Harmful if swallowed.  
Irritating to the respiratory system.  
Irritating to the skin.

Irritating to the eyes.

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S-Phrases: 26-36 -46

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Wear suitable protective clothing.

If swallowed, seek medical advice immediately and show this container label.

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Section 16 : **Other Information**

Disclaimer : For R & D use only. Not for drug, household or other uses.

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Warranty : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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