

Name of the Product : **Hi-PCR Kit**
Code No. : **MBT075**
Section 1 : **Product & Company Information**
Code No. : MBT075
Name of the Product : Hi-PCR 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

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

Kit components

Reagents provided

- 10 x Assay Buffer
 - 10mM dNTP mix
 - 50mM MgCl₂
 - Nuclease free water (ML065)
 - 6X Gel loading Dye
 - Taq DNA Polymerase (1U/ μ l)
-



10 x Assay Buffer

Chemical characterization

Description : Proprietary mixture of various substances.

6 x Loading Dye (ML015)

Chemical characterization

Description : Proprietary mixture of various substances.

10mM dNTP mix

Chemical characterization

Description : Proprietary mixture of various substances.

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.

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.

Section 5	<p>: 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.</p>																															
Section 6	<p>: 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.</p>																															
Section 7	<p>: Handling and Storage Handling - Refer to Section 8 Storage - Store between - 20°C except certain components specified in each kit</p>																															
Section 8	<p>: Exposure Controls / Personal Protection Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.</p>																															
Section 9	<p>: Physical and Chemical Properties</p> <table border="1"> <thead> <tr> <th>Chemical</th> <th>Form</th> <th>Colour</th> <th>Odour</th> </tr> </thead> <tbody> <tr> <td>10 x Assay Buffer</td> <td>Liquid</td> <td>Colorless</td> <td>Odorless</td> </tr> <tr> <td>10mM dNTP mix</td> <td>Liquid</td> <td>Colorless</td> <td>Odorless</td> </tr> <tr> <td>50mM MgCl₂</td> <td>Liquid</td> <td>Colorless</td> <td>Odorless</td> </tr> <tr> <td>Nuclease free water</td> <td>Liquid</td> <td>Colorless</td> <td>Odorless</td> </tr> <tr> <td>6 x Loading Dye</td> <td>Liquid</td> <td>Blue</td> <td>Odorless</td> </tr> <tr> <td>Taq DNA Polymerase (1U/μl)</td> <td>Liquid</td> <td>Colorless</td> <td>Odorless</td> </tr> </tbody> </table>				Chemical	Form	Colour	Odour	10 x Assay Buffer	Liquid	Colorless	Odorless	10mM dNTP mix	Liquid	Colorless	Odorless	50mM MgCl ₂	Liquid	Colorless	Odorless	Nuclease free water	Liquid	Colorless	Odorless	6 x Loading Dye	Liquid	Blue	Odorless	Taq DNA Polymerase (1U/μl)	Liquid	Colorless	Odorless
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Section 10	<p>: 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.</p>																															
Section 11	<p>: 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.</p>																															
Section 12	<p>: 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</p>																															
Section 13	<p>: 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.</p>																															

Section 14 : **Transport Information**
UN No. : Not applicable

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.

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.

Section 16 : **Other Information**
Disclaimer : For R & D use only. Not for drug, household or other uses.

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.

