

MBT085

PCR Enhancer I
(A proprietary mixture containing Betaine)

HiMedia introduces PCR grade enhancers to reduce the risk of contamination and faulty PCR results. These PCR grade enhancers are assayed to ensure no risk of DNase, RNase contamination for all applications and also validated for use in PCR.

Application:

The addition of PCR Enhancer I improves the amplification of DNA by reducing the formation of secondary structure in GC-rich regions. It lowers the melting temperature of GC-rich regions, making them comparable to AT regions. The addition of PCR Enhancer I has been reported to enhance the specificity of the polymerase chain reaction by eliminating the base pair composition depending on DNA strand melting. It improves the amplification of difficult templates by increasing yield and specificity.

Properties:

Grade	PCR Grade
Vapor density	2.7 (vs. air)
Vapor pressure	0.42 mm Hg (20°C)
Autoignition temperature	573°F

Please refer disclaimer Overleaf.

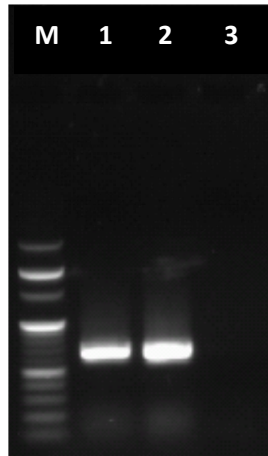


Figure showing amplification of compost soil DNA using specific primers and MBT085 (Lanes 1 & 2) and no amplification without MBT085 (Lane 3)

Quality Control:

All preparations are assayed for contaminating endonuclease, exonuclease and non-specific DNase activities. Functionally tested in DNA amplification.

Storage conditions:

PCR Enhancer I should be stored at 2-8°C. When stored under the recommended conditions, the product is stable for 6 months.

Technical Assistance:

At HiMedia, we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail to mb@himedialabs.com.

PIMBT085_O/0814 MBT085-02

Disclaimer :

User must ensure of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ Publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt.Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.