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Datasheet for MB-006

10X TE pH 7.5

Overview

Description:	10X TE pH 7.5 (100 mM Tris HCl 10 mM EDTA) DEPC Treated - MB-006
Item No.:	MB-006
Size:	1 L
Applications:	IHC

Product Details

Background:	TE buffer is a commonly used buffer solution in molecular biology, especially in procedures involving DNA, cDNA or RNA. "TE" is derived from its components: Tris, a common pH buffer, and EDTA, a molecule that chelates cations like Mg2+. The purpose of TE buffer is to solubilize DNA or RNA, while protecting it from degradation.
Synonyms:	10X TE pH 7.5 (100 mM Tris HCl 10 mM EDTA) Solution, 10X TE pH 7.5 DEPC TREATED Solution

Target Details

Purity/Specificity:	This product was aseptically filtered through a Millipore 0.22 micron filter into clean, pre-sterilized containers. The product was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.
Relevant Links:	• MB-006 SDS

Application Details

Suggested Applications:	IHC (Based on references)
Application Note:	This product is a concentrated stock solution and should be diluted appropriately with distilled, deionized water or equivalent to its final working concentration. This buffer consists of 100 mM Tris HCl and 10 mM EDTA at a pH of 7.5. Meticulously prepared using ultra pure reagents dissolved in DEPC treated molecular biology grade water.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

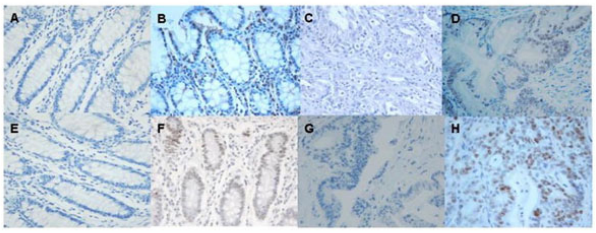
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	10 X
Buffer:	See application note.
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store container at room temperature (18° to 26° C) prior to opening. If desired, the solution may be stored at 4° C or less. Some salts may precipitate out of solution at lower temperature. Allow buffer to equilibrate to room temperature (18° to 26° C) to restore solubility of some salts.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



Immunofluorescence Microscopy
Immunohistochemistry for MLH1 and MSH2 protein expression (hematoxylin, 400x). (a) Normal colorectal tissue with no antibody staining for MLH1 (negative control). (b) Normal colorectal tissue with MLH1 antibody staining (positive control). (c) Tumor with absence of MLH1 protein expression. (d) Tumor with MLH1 protein expression. (e) Normal colorectal tissue with no antibody staining for MSH2 (negative control). (f) Normal colorectal tissue with MSH2 antibody staining (positive control). (g) Tumor with absence of MSH2 protein expression. (h) Tumor with MSH2 protein expression. The slides underwent antigen retrieval with 10X Tris-ethylenediamine tetraacetic acid buffer, pH 7.5 (p/n MB-006) for 45 minutes on boiling water. Fig 2. PMID: 20012372.



Bottle
10X TE pH 7.5 (100 mM Tris HCl 10 mM EDTA) DEPC Treated

References

- De Jesus-Monge, WE. et al. Mismatch repair protein expression and colorectal cancer in Hispanics from Puerto Rico. *Familial Cancer* (2010)

Disclaimer

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