

Crystal 50x TAE Buffer

Tris-Acetate-EDTA buffer for electrophoresis

Catalog Number:

BIO-37103 5 pouches



Research Use Only

Store at room temperature

Description

Crystal 50x TAE buffer is a Tris-Acetate-EDTA electrophoresis running buffer made from reagents with the highest purity and delivered in convenient ready-to-use sealed pouches. Each pouch contains a pre-determined amount of components, providing increased buffer precision. There is no need to waste time in the laboratory weighing and handling the loose components for the buffers. Simply dissolve the contents of each the pouch in deionized water to the recommended volume and the buffer is ready for use without any further preparation.

Crystal 50x TAE Buffer is recommended for large fragments (above 1500bp) and complex mixtures of large genomic DNA. TAE has a lower buffering capacity than TBE, however linear dsDNA tends to migrate faster in TAE than in TBE. Crystal 50xTAE Buffer is also used in non-denaturing RNA agarose gel electrophoresis.

Protocol

Dissolve contents of one pouch in deionized water and make up the volume to 1000ml to obtain a 50x TAE buffer solution. For agarose gel electrophoresis dilute 50x TAE solution to a working concentration of 1x.

Reagent specifications

Composition:

2.0M Tris-Acetate, 0.05M EDTA, pH 8.3 at 25°C, when dissolved in deionized water and made up to 1000ml.

Storage Conditions:

The unopened pouch can be stored at room temperature for an unlimited time. The 10x stock solution prepared in a sterilized bottle with high quality water and filtered through a 0.20 µm filter can be stored for 1 year at room temperature. Passing the 10x solution through the filter prevents or delays the formation of precipitates. 1x solutions should be prepared fresh and used.

Safety and handling:

For safety information please refer to product MSDS on the website at www.bioline.com

Quality control

Crystal buffers undergo extensive and stringent QC assays to guarantee batch-to-batch reproducibility.

Warranty/Disclaimer

Bioline products meet or exceed the specifications set in the technical data section. Bioline agrees to replace the products free of charge if they do not conform to the specifications. In the event the products fail to meet the warranted specifications, the sole obligation of Bioline is limited to replacement of the products free of charge.

All prices and products are subject to change without prior notification. For the most up-to-date product information, please visit the Bioline website at www.bioline.com

Notes

This product insert is a declaration of analysis at the time of manufacture.

For detailed product information, please visit our website at www.bioline.com

UK	USA	Germany	Australia
Tel: +44 (0)20 8830 5300	Tel: +1 781 830 0360	Tel: +49 (0)33 7168 1229	Tel: + 61 (0)2 9209 4180
Fax: +44 (0)20 8452 2822	Tel: +1 888 257 5155	Fax: +49 (0)33 7168 1244	Fax: +61 (0)2 9209 4763
	Fax: +1 781 830 0205		