Buffer TBE, 5x

For preparation of agarose and polyacrylamide gels and use as an electrophoresis running buffer

Product Contents

Buffer TBE, 5x	
Catalog no.	**129217**
Buffer TBE, 5x	5 liters
Product Sheet	1

Storage Conditions

Buffer TBE, 5x should be stored at room temperature (15–25°C).

Product Description

Buffer TBE, 5x is suitable for the preparation of agarose and polyacrylamide gels and as an electrophoresis running buffer for the separation of nucleic acids. In addition, this product is ideal for use in all other molecular biology techniques where a Tris·borate–EDTA buffer is required. Buffer TBE, 5x is free of nuclease activity and is supplied in convenient 5-liter tap-containers. Buffer TBE, 5x is composed of 0.45 M Tris·borate, 0.01 M EDTA, pH 8.3.

Quality Control

In accordance with QIAGEN's ISO-certified Quality Management System, each lot of Buffer TBE, 5x is tested against predetermined specifications to ensure consistent product quality.

Product Use Limitations

Buffer TBE, 5x is intended for research use. No claim or representation is intended to provide information for the diagnosis, prevention, or treatment of a disease.

Safety Information

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate material safety data sheets (MSDSs). These are available online in convenient and compact PDF format at www.qiagen.com/ts/msds.asp where you can find, view, and print the MSDS for each QIAGEN kit and kit component.

24-hour emergency information

Emergency medical information in English, French, and German can be obtained 24 hours a day from:

Poison Information Center Mainz, Germany

Tel: +49-6131-19240

Procedure

For gel electrophoresis, Buffer TBE, 5x should be diluted to a working concentration of 0.5–1x. After 2 or 3 runs, the buffering capacity of the TBE becomes exhausted, lowering the mobility of the nucleic acids in the gel. For this reason Buffer TBE should be replaced every 3 runs (1). **Note**: Buffer exhaustion depends on the duration of electrophoresis, so longer electrophoretic runs may require more frequent buffer changes.

Reference

1. Sambrook, J. and Russell, D.W. (2001) Molecular cloning: a laboratory manual, 3rd ed., Cold Spring Harbour Laboratory Press.