Quality Biological

Technical Information
Products for Cell Biology

HEPES Buffer 1M, pH 7.3

Catalog #:	118-089-721	10 x 100mL
	116-089-721EA	100mL
Store at:	15°C to 30°C	
Shipped at:	ambient temperature	

Description

Quality Biological's (QBI) HEPES Buffer 1M, pH 7.3 is prepared from ultra-pure grade HEPES (4-[2-hydroxyethyl]-1-piperazineethanesulphonic acid) using Quality Biological's Cell Culture Grade Water. The final product is sterile filtered through a 0.1µm filter.

Applications

HEPES is frequently used in cell culture media as a buffer alternative to more traditional sodium bicarbonate ($NaHCO_3$). HEPES is a very strong buffer within the pH range of 7.2 – 7.6.

Directions

Dilute HEPES Buffer 1M, pH 7.3 in the appropriate cell culture medium. Typically, HEPES is diluted to a final concentration of 10 – 25mM.

Reference

1. Freshney, R.I. (1994) *Culture of Animal Cells: A Manual of Basic Technique, 3rd Ed.,* Wiley-Liss, John Wiley & Sons, Inc.

All products sold by Quality Biological, Inc. are intended for research use only. This product has not been approved for diagnostic or IVD use.

Quality Control

General

The quality of a product is a combination of careful selection of raw materials, proper manufacturing procedures, and diligent monitoring of each step.

Quality Control is used to determine whether each step in the manufacturing process has been properly carried out and the finished product meets or exceeds the standards established for it.

Product Specific Testing

HEPES Buffer 1M, pH 7.3 is routinely tested to verify it meets product specifications for the following parameters:

- *pH*
- *Osmolality*
- *Cytotoxicity*
- *Microbiology*

Related Products

Sodium Bicarbonate 7.5%

Catalog #	118-085-721	4 x 100mL
	118-085-721EA	100mL

Cell Culture Grade Water, Ultra Pure

Catalog #	118-162-101	500mL
	118-162-101CS	10 x 500mL
	118-162-131	1000mL
	118-162-131CS	10 x 1000mL
	118-162-151	10 Liters
	118-162-161	20 Liters

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