

Datasheet for ABIN925581 **1.0 M HEPES pH 7.2**



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Overview

Quantity: 100 mL

Product Details

Characteristics: Sterilization: Sterile Aseptic Filter

Target Details

Background: HEPES is a zwitterionic organic chemical buffering agent, and is widely used in cell culture, largely because it is better at maintaining physiological pH despite changes in carbon dioxide concentration (produced by cellular respiration) when compared to bicarbonate buffers, which are also commonly used in cell culture. HEPES is like water in that its dissociation decreases as the temperature decreases. This makes HEPES a more effective buffering agent for maintaining enzyme structure and function at low temperatures

Synonyms: 4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid

Application Details

Application Notes: This product is a concentrated stock solution and should be diluted appropriately with molecular biology grade water or equivalent to its final working concentration. This buffer consists of 1.0 M HEPES at a pH of 7.2 and was prepared using ultra pure reagents dissolved in DEPC treated pharmaceutical grade deionized water.

Restrictions: For Research Use only

Handling

Format: Liquid

Handling

Concentration: 1 M

Storage: RT