

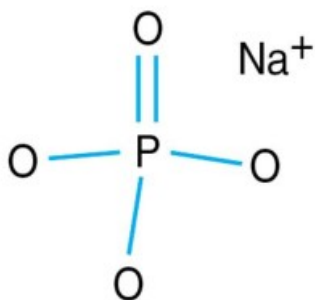


Quik Optimize - 100 mL each - 100 ml

Optimization of Sodium potassium phosphate concentration and pH

Product codes:

Reference: HR 2223



Product gallery:



Product description:

- Sterile filtered solution
- Supplied formulation guide allows for quick and simple pH and dilution grids
- Formulated in Type 1+ ultrapure water: 18.2 megaohm-cm resistivity at 25°C, 5 ppb Total Organic Carbon, bacteria free (1 Bacteria (CFU/ml)), pyrogen free (0.03 Endotoxin (EU/ml)), RNase-free (0.01 ng/mL) and DNase-free (4 pg/uL)

The Quik Optimize reagent set is designed to deliver a flexible phosphate reagent based solubility and crystallization screening method for the crystallization of biological macromolecules. Quick Optimize allows convenient and simple reproduction of original Quik Screen conditions. The kit is especially useful for refinement and optimization of preliminary successful crystallization conditions determined using Quik Screen.

Quik Optimize is composed of two high purity, sterile filtered stock solutions, 4.0 M Sodium phosphate monobasic monohydrate (NaH_2PO_4 Mr 137.99 CAS Number [10049-21-5]) and 4.0 M Potassium phosphate dibasic (K_2HPO_4 Mr 174.18 CAS Number [7758-11-4]) formulated using ultra pure water. Final reagent pH is determined by the ratio of Sodium and Potassium phosphate reagents. The supplied dilution table makes concentration and pH determinations quick and simple. Reagent concentrations between 0.2 and 4.0 M in 0.2 M increments and pH values between 5.0 and 8.2 in 0.2 pH increments can be conveniently formulated with Quik Optimize.

The Quik Optimize formulation has been used successfully in both crystallographic and



bioseparation applications for the crystallization of biological macromolecules 1-7. The phosphate reagent system in Quik Optimize is a stable, flexible, easy to reproduce, cost-effective, and simple way to screen and optimize crystallization conditions for biological macromolecules. Quik Optimize was developed by Macrocrystal Oy and is manufactured and distributed exclusively by Hampton Research.

Each Quik Optimize kit contains 4.0 M Sodium phosphate monobasic monohydrate and 4.0 M Potassium phosphate dibasic reagents, 100 ml each. These ready to use reagents are formulated using high purity salts with ultra pure water and are sterile filtered. Each kit contains a dilution table to create any pH (between 5.0 & 8.2) and any concentration (between 0.2 & 4.0 M) in 0.2 increments. Crystallization accessories are sold separately.

Per maggiori informazioni visita il sito <https://hamptonresearch.com/>

Product features:

CRF - TIPO: Sodium potassium phosphate (Quik Optimize)