

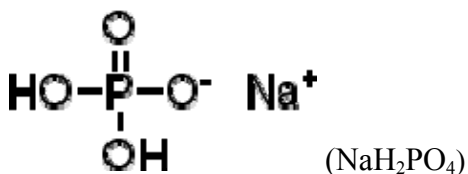


Certificate of Analysis

CP-Buffer-42

AxyGen's ready to use buffers, precipitants, salts, additives, and detergents provide the most complete and economical solution to crystallization of proteins, peptides, small molecules and nucleic acids. They can be used as a rapid Initial screening method or to accelerate the creation of optimization/follow up screens. Reagents are supplied in sterile bottles (200ml/bottle).

Product Name: 1.0M Na-K-Phosphate, pH 7.5
Description: Na-Phosphate (NaH₂PO₄) titrated with K-Phosphate (K₂HPO₄)
Catalog #: CP-Buffer-42
Chemical Name: Monosodium phosphate and Dipotassium hydrogenphosphate
Molecular Formula: NaH₂PO₄ and K₂HPO₄
Molecular Weight: 119.98 (NaH₂PO₄) and 174.18 (K₂HPO₄)
CAS Number: [7558-80-7](#) (NaH₂PO₄) and [7758-11-4](#) (K₂HPO₄)
EC Number: 2314492 (NaH₂PO₄) and 2318345 (K₂HPO₄)
Purity: ≥99% (NaH₂PO₄) and 98% (K₂HPO₄)
Appearance: Both are white powders
Solubility: Complete colorless solution at 1M
pKa (25 °C) for (K₂HPO₄): (1) 2.15, (2) 6.82, (3) 12.38 (phosphoric acid)



AxyGen BioSciences
33210 Central Ave., Union City, CA 94587
Ph.: (510) 476-1090 Fax: (510) 476-1091
Email: sales@axygenbio.com
Website: www.axygenbio.com