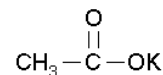


60033 / 60035 / 60041 / 95843 Potassium acetate

CAS number: 127-08-2

Product Description:

Molecular Formula:	C ₂ H ₃ KO ₂
Molecular Weight:	98.14 g/mol
pH:	7.0-9.0 (25 °C, 1 M in H ₂ O) ¹⁴
Melting Point:	292 °C ¹
A _{260nm} (1 M in H ₂ O):	0.2 ¹⁴
A _{280nm} (1 M in H ₂ O):	0.06 ¹⁴



60035 BioChemika Ultra for molecular biology (solid)

95843 BioChemika Ultra for molecular biology (potassium acetate solution 5 M)

60041 BioChemika Ultra for luminescence (solid)

60033 BioChemika Ultra (solid)

Trace elemental analyses have been performed on this Biochemika Ultra qualities. Biochemika Ultra Potassium acetate, is for applications which require tight control of elemental content.

Potassium acetate is also available as molecular biology grade (BioChemika Ultra for molecular biology) as a stock solution 5 M (Fluka 95843) or as a solid salt (Fluka 60035). It has been analyzed for the absence of nucleases and proteases.

The luminescence quality is specially created for use in spectroscopic method.

Applications:

Potassium acetate is used as a buffer in molecular biology research, notably in the isolation of DNA. It is buffering effective in the pH range 3.8 - 5.8. The preparation of a potassium acetate/acetic acid buffer for the isolation of mammalian DNA has been reported.² Protocols that use potassium acetate have been published on the isolation of DNA from soil samples.^{3,4}

Potassium acetate may be utilized in the isolation of RNA intermediates and products from *in vitro* splicing reactions performed with a HeLa cell nuclear extract.⁵

Potassium acetate has been used to study the interactions between the TATA box binding protein from *Pyrococcus woesei* and an oligonucleotide with a specific binding site.⁶ The use of potassium acetate in the analysis of oligogalacturonic acids by high performance anion-exchange chromatography has been described.⁷

Preparation Instructions

This product is soluble in water (100 mg/ml), yielding a clear, colorless solution. It is also soluble in alcohol. The pH of a 0.1 M aqueous solution of potassium acetate is 9.7.¹

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

References:

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