

Specification

Bis-Tris for buffer solutions

A1025

Physical Description:	Solid
Product Code:	A1025
Product Name:	Bis-Tris for buffer solutions
Specifications:	<p>Assay (titr.): min. 99 %</p> <p>pH (1 %; H₂O): 8.8 - 9.6</p> <p>Heavy metals (as Pb): max. 0.0003 %</p> <p>Loss on drying: max. 1 %</p> <p>Fe: max. 0.0005 %</p> <p>A (1 cm/0.1 M in H₂O)</p> <p>340 nm: max. 0.02</p> <p>280 nm: max. 0.04</p>
WGK:	1
Storage:	RT
Molecular Formula:	C ₈ H ₁₉ NO ₅
M:	209.24 g/mol
CAS:	6976-37-0
EINECS:	230-237-7
CS:	29221900
Comment	<p>Bis-Tris is an important buffer for protein and nucleic acid systems. Additionally it is used as a substitute for cacodylic acid buffer systems (4). The working concentration, mentioned in the literature (ref. 1-3), is 10 - 25 mM.</p>
Bibliography	<p>(1)Massie, B. <i>et al.</i> (1995) <i>Bio/Technology</i> 13, 602-608Improved vector for the production of HSV-ribonucleotide reductase R1 and R2. (2)Merabet, E. & Ackers, G.K. (1995) <i>Biochemistry</i> 34, 8554-8563Calorimetric analysis of the Icl-repressor binding to the DNA operator site. (3)Petri, V. <i>et al.</i> (1995) <i>Biochemistry</i> 34, 9977-9984Characterization of the binding of the TATA-binding factor to adenovirus E4 promoter. (4)Scopes, R.K. ed. (1994) <i>Protein Purification (Principles and Practice)</i> 3rd Edition, p. 352; Springer-Verlag.</p>

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