

Specification

TB-Medium - Powder (Terrific Broth)

A0974

Product Code:	A0974
Product Name:	TB-Medium - Powder (Terrific Broth)
Short Description:	usage: Powder for the preparation of liquid TB - Medium.
Specifications:	Composition: Yeast extract (A1552): 24 g/L Tryptone (A1553): 12 g/L
WGK:	1
Storage:	RT
CS:	38210000
Comment	<p>To prepare one liter of TB-Medium, 36 g of TB-Medium - powder are dissolved. The final TB-Medium requires additional supplements: Glycerol (4 ml/L) and a 10X Phosphate Buffer Solution (pH ~ 7,4, sterile, 100 ml/L) Procedure Dissolve 36 g powder in 900 ml of water, then add 4 ml of glycerol (e.g. A1123) per liter and autoclave. Before inoculating bacteria, add 100 ml of sterile 10X TB-Phosphate solution and an antibiotic, depending on the plasmid transformed. Caution: antibiotics and nutritional supplements should be added only after the solution has cooled to 50°C or below, since these components often are heat-sensitive. For preparation of a 10X Phosphate Buffer Solution dissolve 23,1 g potassium di-hydrogen phosphate (e.g. A3095) and 125,4 g di-potassium hydrogen phosphate (e.g. A1042) in 1 L water and sterilize the solution. Caution: To avoid insoluble phosphates (calcium and magnesium) to form and to precipitate you need to autoclave the phosphates separately!</p>
Bibliography	<p>(1)Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) <i>Molecular Cloning</i>: A Laboratory Manual, 2nd Edition. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York. (2)Ausubel, F.A., Brent, R., Kingston, R.E., Moore, D.D., Seidman, J.G., Smith, J.A. & Struhl, K. (eds.) (1995) <i>Current Protocols in Molecular Biology</i>. Greene Publishing & Wiley-Interscience, New York.</p>

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