

Technical Data Sheet

Terrific Broth (TB Medium) granulated

for molecular biology

Order number: 1315

Terrific Broth¹ is a complex and highly nutrient-enriched liquid medium for the cultivation of recombinant E. coli strains and other coliform bacteria. The high tryptone and yeast extract concentration allows the bacteria a prolonged growth phase and thus enables high plasmid yields. To avoid pH changes during the growth phase, TB medium contains potassium phosphates as a buffer substance. Glycerine is added to the medium during production as an additional carbon source.

Composition

Yeast Extract	24 g/l
Tryptone	12 g/l
Potassium dihydrogen phosphate (monobasic potassium phosphate)	2.2 g/L
di-Potassium hydrogen phosphate (dibasic potassium phosphate)	9.4 g/L

Store at ambient temperature and keep product dry.

Preparation

Dissolve 47.6 g of the powder mixture, as well as 4 ml of glycerine in a final volume of one litre of distilled water. The pH of the medium is 7.0 to 7.4 at 25°C. Sterilize the medium in an autoclave (20 minutes at 121°C). After cooling, heat-sensitive additives, such as antibiotics, can be added.

Related products

1110	Agarose Basic for molecular biology
1531	DNA Marker 1 kb (lyophilized) for molecular biology
1254	Ethidium bromide - Solution 0.07 % dropping bottle for electrophoresis
1321	LB Agar powder according to Miller for molecular biology
1317	LB Agar powder according to Lennox for molecular biology
1308	LB Medium powder according to Lennox for molecular biology
1311	LB Medium powder according to Miller for molecular biology

¹Tartof, K.D. and Hobbs, C.A. (1987). Improved media for growing plasmid and cosmid clones. Bethesda Res Lab Focus 9, 12.

