

Product Specification

Product Name:	Terrific Broth
Product Code:	SD7035

Product Description:

Terrific Broth: Terrific Broth was developed by Tartoff and Hobbs to increase yields in plasmid bearing Escherichia coli. Terrific Broth is an enriched medium, which helps the recombinant strains of E.coli maintain an extended growth phase. The large amount of tryptone and yeast extract in the medium allows the bacteria to produce a higher plasmid yield. The tryptone and yeast extracts also provide additional nutrients and growth factors required for enhanced growth of recombinant strains of E.coli. Glycerol is added as an additional carbohydrate source in this medium. The potassium phosphates are present to prevent a drop in pH of the medium during bacterial growth.

Components (Per Liter):

Tryptone – 12.0g
Yeast Extract – 24.0g
K₂HPO₄ – 12.54g
KH₂PO₄ – 2.31g

Test Items	Specifications
Appearance	Powder
pH (47.6g/ 1000ml, H ₂ O)	7.0 – 7.4
Solubility (47.6g/ 1000ml, H ₂ O)	Passes
Supports Growth of Bacteria	Passes

Storage Condition: 18 – 25°C, Protect from moisture