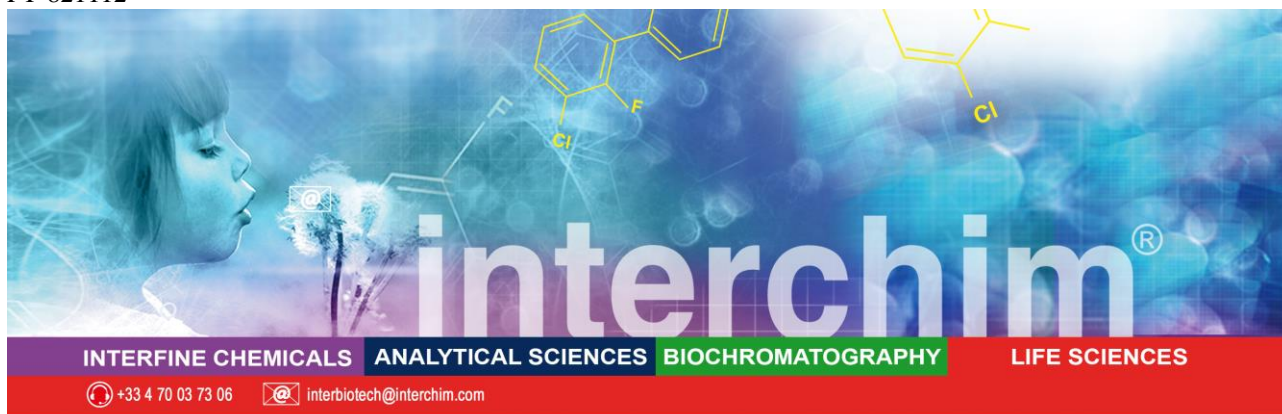


FT-821112



Terrific Broth Powder

Medium for the cultivation of recombinant strains of E.coli

Product Description

Chemical name :	Terrific Broth Powder
Cat. Number :	821112, 5Kg
Storage:	Room temperature for the powder.

Directions for use

Guidelines for use

TERRIFIC BROTH is a medium which supports a high cell density and, in the case is formulated for optimum growth of *E.coli*, maintains growth in the logarithmic phase for a long time. As a result it yields a greater number of recombinant proteins and plasmic DNA. In some circumstances it substitutes LB Broth (Lennox) used in genetic studies.

Tryptone provide nitrogen, vitamins, minerals and amino acids essential for growth Yeast extract is source of vitamins, particularly the B-group. Potassium phosphates act as a buffer system to prevent cell death.

Composition of Terrific Broth :

Tryptone = 12.0g
 Yeast Extract = 24.0g
 Potassium Phosphate, Dibasic = 9.4g
 Potassium Phosphate, Monobasic = 2.2g
 Final pH 7.2 ±0.2 at 25°C

Preparation :

1. Mix 47.6 grams of Terrific Broth powder with 1 L of purified water.
2. Add 4 ml of glycerol to the medium. The source of carbohydrates and carbon is glycerol that is not fermented to acetic acid as glucose and does not lead to confusing results.

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3. Autoclave at 121°C for 15 minutes.

4. Allow the solution to cool to 50°C or below before adding additional antibiotics or nutritional supplements

Microbiological Test

The following results were obtained in the performance of the medium from type cultures after incubation at a temperature of $35 \pm 2^\circ\text{C}$ and observed after 18-24 hours.

Microorganisms	Growth
<i>Escherichia coli</i> ATCC 23724	Good
<i>Escherichia coli</i> ATCC 33694	Good
<i>Escherichia coli</i> ATCC 33849	Good
<i>Escherichia coli</i> ATCC 53868	Good

References

- Joseph Sambrook, David W .Russell. The condensed protocols from molecularcloning: a laboratory manual

Related products

- LB Broth (Lennox), T37522

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>. Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

[Order on-line](#) or [Contact](#) your local distributor

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