



Product Specifications

TERRIFIC BROTH

<u>Catalog #</u>	<u>Size</u>
IB49140	500gm
IB49141	2Kg
IB49142	10Kg

Physical Specifications

CAS# N/A
pH (@ 25°C) 7.2 ± 0.2
NOTE: Grams per liter may be adjusted to obtain desired performance.

Molecular Biology Specifications

<i>Escherichia coli</i> ATC 23724	Growth
<i>Escherichia coli</i> ATC 33694	Growth
<i>Escherichia coli</i> ATC 33849	Growth
<i>Escherichia coli</i> ATC 39403	Growth
<i>Escherichia coli</i> ATC 47014	Growth
<i>Escherichia coli</i> ATC 53868	Growth

Formula per Liter

- | | |
|----------------------------------|--------|
| • Casein Digest Peptone | 12.0gm |
| • Yeast Extract | 24.0gm |
| • Potassium Phosphate, Monobasic | 2.3gm |
| • Potassium Phosphate, Dibasic | 12.5gm |

Preparation

- Mix 50.8gm of the medium in 1L of purified water until evenly dispersed.
- Add 4ml of Glycerol to the mixture.
- Heat with repeated stirring, and boil for one minute to dissolve completely.
- Distribute and autoclave at 121.0°C for 15 minutes.

Recommended Use

IBI's Terrific Broth is used with Glycerol in cultivating recombinant strains of E.coli. Terrific broth is a highly enriched medium for improving yield in plasmid bearing E.coli. Recombinant strains have an extended growth phase in the medium. The addition of tryptone and yeast extract in the medium will allow higher plasmid yield per volume. Glycerol is used as a carbohydrate source in this formulation. Unlike glucose, glycerol is not fermented to acetic acid.

Storage

Store at room temperature. Keep tightly sealed. Protect from moisture and light.

Warning

Irritant. Irritating to the eyes, respiratory system, and skin. Wear suitable protective clothing, gloves, and eye/face protection. See Material Safety Data Sheet for additional information.