

PRODUCT INFORMATION



Terrific Broth Cat. No. T20-114

Date of Issue:
10/01/17

DESCRIPTION

Terrific Broth (TB) is used with glycerol in cultivating recombinant strains of *Escherichia coli*.

PREPARATION

Mix 50.8 grams of the medium and 4mL of glycerol in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

Formula* per Liter:

Enzymatic Digest of Casein	12.0g
Yeast Extract	24.0g
Monopotassium Phosphate	2.3g
Dipotassium Phosphate	12.5g

Final pH: 7.2 ± 0.2 at 25°C

* Grams per liter may be adjusted or formula supplemented to obtain desired performance.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light beige.
2. Visually the prepared medium is light to medium amber and clear with no precipitate.
3. Expected cultural response after 18-24 hours at 35°C.

Organism:

Escherichia coli ATCC® 23724
Escherichia coli ATCC® 33694
Escherichia coli ATCC® 33849
Escherichia coli ATCC® 39403
Escherichia coli ATCC® 47014
Escherichia coli ATCC® 53868

Result:

Growth
Growth
Growth
Growth
Growth
Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.