

PRODUCT INFORMATION

2xYT Broth

Cat. No. X24-102



ALPHA[™]
BIOSCIENCES

Date of Issue:
10/01/17

DESCRIPTION

2xYT Broth is used for cultivating recombinant strains of *Escherichia coli*.

PREPARATION

Mix 31 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Autoclave at 121°C for 15 minutes.

Formula* per Liter:

Enzymatic Digest of Casein	16.0g
Yeast Extract	10.0g
Sodium Chloride	5.0g

Final pH: 7.0 ± 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 beige.
2. Visually the prepared medium is brilliant to clear, with none to light precipitate and yellow.
3. Expected cultural response after 18 – 24 hours at 35°C ± 2°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:

Excellent
Excellent
Excellent
Excellent
Excellent
Excellent

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.