

# PRODUCT INFORMATION

## NZCYM Broth

Cat. No. N14-105



**ALPHA**<sup>™</sup>  
BIOSCIENCES

Date of Issue:  
10/01/17

### DESCRIPTION

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

### PREPARATION

Mix 22 grams of the medium 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 .....	10.0g
Casamino Acids .....	1.0g
Sodium Chloride.....	5.0g
Yeast Extract.....	5.0g
Magnesium Sulfate .....	0.98g

#### Final pH: 7.0 ± 0.2 at 25°C

(After adjustment with 25% L-malic acid)

\* 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 clear, light yellow, and none to light particulate.
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

#### Result:

Good to Excellent

Good to Excellent

Good to Excellent

Good to Excellent

Good to 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.