

## PRODUCT INFORMATION

NZCYM Broth

Cat. No. N14-105

### DESCRIPTION

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

### FORMULA (g/L)

Enzymatic Digest of Casein	10.0 g	Yeast Extract	5.0 g
Casamino Acids	1.0 g	Magnesium Sulfate	0.98 g
Sodium Chloride	5.0 g		

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.

### 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.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing with lumps and light beige.
2. Visually the prepared medium is clear, light yellow, with none to light precipitate.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 23724	Good Growth
<i>Escherichia coli</i> ATCC 33694	Good Growth
<i>Escherichia coli</i> ATCC 33849	Good Growth
<i>Escherichia coli</i> ATCC 39403	Good Growth
<i>Escherichia coli</i> ATCC 47014	Good 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.

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