

## PRODUCT INFORMATION

NZ Broth

Cat. No. N14-110

NZ Broth is a nutrient-rich medium for the cultivation of lambda bacteriophage.

### DESCRIPTION

NZ Broth is a nutrient-rich medium for the cultivation of lambda bacteriophage. Tryptone is a source of nitrogenous compounds. Sodium Chloride and Magnesium Sulfate provide essential electrolytes and maintain the osmotic equilibrium.

### FORMULA (g/L)

Casein peptone	10.0 g	Sodium chloride	5.0 g
Magnesium sulfate	1.0 g		

Final pH: 7.0 ± 0.2 at 25 °C

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

### PREPARATION

Mix 16 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and light beige.
2. Visually the prepared medium is light yellow, brilliant to clear.
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
<i>Escherichia coli</i> ATCC 53868	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.