

## PRODUCT INFORMATION

Nitrate Broth

Cat. No. N14-106

### DESCRIPTION

Nitrate Broth is recommended for differentiating microorganisms based upon their ability to reduce nitrate to nitrite.

### FORMULA (g/L)

Pancreatic Digest of Gelatin	5.0 g	Potassium Nitrate	1.0 g
Beef Extract	3.0 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 9 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 to amber.
2. Visually the prepared medium is slightly hazy, beige to amber, with none to light precipitate.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Acinetobacter baumannii</i> ATCC 19606	Good Growth – Nitrate (-)
<i>Enterobacter aerogenes</i> ATCC 13048	Good Growth – Nitrate (+)
<i>Escherichia coli</i> ATCC 25922	Good Growth – Nitrate (+)
<i>Salmonella typhimurium</i> ATCC 14028	Good Growth – Nitrate (+)



## **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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