

## PRODUCT INFORMATION

Photobacterium Broth

Cat. No. P16-143

### DESCRIPTION

Photobacterium Broth is used for cultivation and demonstration of luminescence of photobacteria.

### FORMULA (g/L)

Casein peptone	5.0 g	Yeast extract	2.5 g
Sodium chloride	30.0 g	Ammonium chloride	0.3 g
Magnesium sulfate heptahydrate	0.3 g	Ferric (Iron III) chloride	0.01 g
Calcium carbonate	1.0 g	Glycerolphosphate disodium salt hydrate	23.5 g
Potassium phosphate monobasic	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 65.6 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 with or without trace reddish brown particulate.
2. Visually the prepared medium is cream to pale yellow, opalescent to opaque, and has light to heavy white precipitate with or without reddish brown precipitate.



## **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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