

PRODUCT INFORMATION

Phenol Red Broth Base

Cat. No. P16-104

DESCRIPTION

Phenol Red Broth Base is used with added carbohydrates to differentiate microorganisms based on their fermentation reactions.

FORMULA (g/L)

Enzymatic Digest of Casein	10.0 g	Phenol Red	0.018 g
Sodium Chloride	5.0 g		

Final pH: 7.4 ± 0.2 at 25 °C

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

PREPARATION

Mix 15 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 and light beige w/ faint pink tint.
2. Visually the prepared medium is bright red and clear.
3. Expected cultural response after 18-48 hours at 35 °C.

ORGANISM	RESULT			
	Dextrose	Lactose	Mannitol	Sucrose
<i>Enterococcus faecalis</i> ATCC 25922	A+/G-	A+/G-	A+/G-	A+/G-
<i>Escherichia coli</i> ATCC 25922	A+/G+	A+/G+	A+/G+	(N/A)
<i>Klebsiella pneumoniae</i> ATCC 13883	A+/G+	A+/G+	A+/G+	A+/G+
<i>Pseudomonas aeruginosa</i> ATCC 27853	A-/G-	A-/G-	A-/G-	A-/G-

A = Acid reaction (+ yellow/ - red)/G = Gas



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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