

PRODUCT INFORMATION

Deoxycholate Agar

Cat. No. D04-104

DESCRIPTION

Deoxycholate Agar medium is used for isolation and differentiation of Gram-negative enteric bacilli. It contains peptone as a nitrogen and vitamin source, and neutral red as a pH indicator.

FORMULA (g/L)

Peptone	10.0 g	Ferric Ammonium Citrate	1.0 g
Lactose	10.0 g	Sodium Citrate	1.0 g
Sodium Deoxycholate	1.0 g	Neutral Red	0.03 g
Sodium Chloride	5.0 g	Agar	16.0 g
Dipotassium Phosphate	2.0 g		

Final pH: 7.3 ± 0.2 at 25 °C

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

PREPARATION

Mix 46 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. DO NOT AUTOCLAVE.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and light pink-beige.
2. Visually the prepared medium is clear to trace hazy and light pink-red.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 25922	Good Growth – Red-Pink Colonies
<i>Escherichia coli</i> ATCC 8739	Good Growth – Red-Pink Colonies
<i>Salmonella typhimurium</i> ATCC 14028	Good Growth – Clear Colonies
<i>Escherichia coli</i> ATCC 25923	Inhibited



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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