

PRODUCT INFORMATION

Your Smarter Culture Media Choice



Deoxycholate Agar

Cat. No. D04-104

Date of issue
01/28/15

DESCRIPTION

Deoxycholate Agar medium used for isolation and differentiating of Gram-negative enteric bacilli. Neutral Red is a pH indicator and Agar acts as the solidifying agent. Peptone is the nitrogen and vitamin source.

Formula* per Liter:

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

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 homogeneous, 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:

Escherichia coli ATCC® 25922
Escherichia coli ATCC® 8739
Salmonella typhimurium ATCC® 14028
Staphylococcus aureus ATCC® 25923

Result:

Growth, Red-Pink Colonies
Growth, Red-pink Colonies
Growth, Clear Colonies
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.