

# PRODUCT INFORMATION



## Deoxycholate Agar

Cat. No. D04-104

Date of Issue:  
10/01/17

### 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.

### 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

#### Formula\* per Liter:

Peptone.....	10.0g
Lactose .....	10.0g
Sodium Deoxycholate .....	1.0g
Sodium Chloride.....	5.0g
Dipotassium Phosphate .....	2.0g
Ferric Ammonium 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.

#### 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 from the original color.