
Product Specification

Product Name: Deoxycholate Hydrogen Sulfide Lactose Agar (DHL Agar)

Product Code: SG7266

PRODUCT DESCRIPTION:

Deoxycholate Hydrogen Sulfide Lactose Agar (DHL Agar) is used for the isolation of Salmonella spp.

Use:

Stir to suspend 63.3 g of dehydrated medium in 1L distilled H₂O. Mix well with heat with frequent agitation. Boil for one minute or until it completely dissolves. Do not overheat or autoclave. Allow to cool (40– 45°C) before making additions, such as antibiotics (if desired), before dispensing into petri dishes. For laboratory use only.

Components:

Peptone – 20.0g/L

Beef Extract Powder – 3.0g/L

Lactose – 10.0g/L

Sucrose – 10.0g/L

Sodium Deoxycholate – 1.0g/L

Sodium Thiosulfate – 2.3g/L

Sodium Citrate – 1.0g/L

Ammonium Ferric Citrate – 1.0g/L

Neutral Red – 0.03g/L

Agar – 15.0g/L

Item	Description
<u>Physical and Chemical Tests</u>	
Appearance (dry):	Reddish Powder
pH (@25°C):	7.3 ± 0.2
<u>Microbiological Tests</u>	
<i>Salmonella Typhimurium</i> (ATCC 14028)	<u>Quality Control Results</u> PR ≥ 0.5, colorless semi-transparent colonies, with black cores
<i>Escherichia coli</i> (ATCC 25922)	Pink colonies with bile acid precipitates
<i>Staphylococcus aureus</i> (ATCC 25923)	G ≤ 1

* The microbiological test results were obtained from type cultures after incubation at a temperature of 36 ± 1°C and observed after 24 hours.

Storage: Store in a dry and dark place at room temperature. Tighten the cap immediately after use.