

**HiMedia Laboratories Private Limited**

C-40, Road No.21Y, MIDC, Wagle Industrial Area,  
Thane(W) - 400604 , Website : www.himedialabs.com,  
Email : info@himedialabs.com

**Certificate of Analysis, Quality and Conformity**

<b>Material Code : M377</b>	<b>Material Name : Lysine Iron Agar</b>	<b>Lot No : 000605077</b>
<b>Report No.: 40001387749</b>	<b>Date of Release &amp; Report : 2023-08-25</b>	<b>Expiry Date : 2028-07</b>

**Appearance.**

Light yellow to greyish yellow homogeneous free flowing powder. Observed : Greyish yellow

**Gelling**

Firm, comparable with 1.5% Agar gel

**Colour and Clarity of prepared medium**

Purple coloured, clear to slightly opalescent gel forms in tubes as slants

**Reaction**

Reaction of 3.45% w/v aqueous solution at 25°C.

**pH**

pH Range :6.50-6.90 Observed : 6.89

**Cultural Response**

Cultural characteristics observed after an incubation at 35-37°C for 18- 24 hours .

Organism	Inoculum (CFU)	Growth	Butt	Slant	H2S
<b>Cultural Response</b>					
<i>Citrobacter freundii</i> ATCC 8090	50-100	luxuriant	acidic reaction, yellowing of the medium	alkaline reaction, purple or no colour change	positive reaction, blackening of medium
<i>Escherichia coli</i> ATCC 25922 (WDCM 00013)	50-100	luxuriant	alkaline reaction, purple or no colour change	alkaline reaction, purple or no colour change	negative reaction
<i>Proteus mirabilis</i> ATCC 25933	50-100	luxuriant	acidic reaction, yellowing of the medium	deep red, lysine deamination	positive reaction, blackening of medium
<i>Salmonella enterica</i> subsp. <i>arizonae</i> ATCC 13314	50-100	luxuriant	alkaline reaction, purple or no colour change	alkaline reaction, purple or no colour change	positive reaction, blackening of medium
<i>Salmonella enterica</i> serovar <i>Enteritidis</i> ATCC 13076 (WDCM 00030)	50-100	luxuriant	alkaline reaction, purple or no colour change	alkaline reaction, purple or no colour change	positive reaction, blackening of medium
<i>Salmonella enterica</i> serovar <i>Typhimurium</i> ATCC 14028 (WDCM 00031)	50-100	luxuriant	alkaline reaction, purple or no colour change	alkaline reaction, purple or no colour change	positive reaction, blackening of medium
<i>Shigella flexneri</i> ATCC 12022 (WDCM 00126)	50-100	luxuriant	acidic reaction, yellowing of the	alkaline reaction, purple or no colour	negative reaction

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		medium	change	
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- . ATCC is a registered trade mark of the American Type Culture Collection
- . NCTC and National Collection of Type Culture are registered trade mark of the Health Protection Agency
  
- . All ISO 11133 : 2014/Amd.1:2018( E ) control strains are included in the Quality parameter
- . HiMedia Laboratories Pvt Ltd is Certified for ISO 9001:2015, ISO 13485:2016 , WHO GMP

. Information for BSE/TSE Risk The material was subjected to pH  $\leq$  7.0 and/or a temperature in excess of 75°C for no less than 2 hours during the manufacturing process. The bovine raw material for this product was collected entirely from Indian Origin animals in a licensed based establishment. The animals are inspected under a Govt. approved veterinarian's supervision and were apparently free from infectious and contagious diseases. BSE (Bovine Spongiform Encephalopathy)/ TSE (Transmissible Spongiform Encephalopathy) and dioxine are not known to exist in India. This material does not contain, nor is derived from the specific risks material as defined in The Maharashtra Animal Preservation Act Govt. of Maharashtra, India.

**STATUS OF THE MATERIAL : APPROVED**

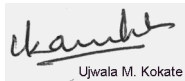
This is to certify that this lot passes and it confirms to the above mentioned tests and specifications . The information given here is believed to be correct and accurate, however, both the information and products are offered without warranty for any particulars use, other than that specified in the current HiMedia manual or product sheets. The results reported were obtained at the time of release.

**This document has been produced electronically and is valid**



Prachi Ratnakar

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2023-08-25