

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

Material Code : M081	Material Name : MacConkey Agar w/ 0.15% Bile Salts, CV and NaCl	Lot No : 0000635271
Report No.: 40001450919	Date of Release & Report : 2024-03-14	Expiry Date : 2029-02

Appearance

Light yellow to pink homogeneous free flowing powder. Observed : Pinkish beige

Gelling

Firm comparable with 1.5% Agar gel.

Colour and Clarity of prepared medium

Red with purplish tinge coloured clear to slightly opalescent gel forms in Petri plates.

Reaction

Reaction of 5.15% w/v aqueous solution at 25°C.

pH

pH Range :6.90-7.30 Observed : 7.29

Cultural Response

Cultural response was observed after an incubation at 30-35°C for 18-72 hours. Recovery rate is considered as 100% for bacteria growth on Soybean Casein Digest Agar.

Organism	Inoculum (CFU)	Growth	Observed Lot value (CFU)	Recovery	Colour of colony	Incubation temperature	Incubation period
Cultural Response							
<i>Escherichia coli</i> ATCC 8739 (WDCM 00012)	87	luxuriant	66	76%	pink-red with bile precipitate	35°C	18Hours
<i>Escherichia coli</i> ATCC 25922 (WDCM 00013)	86	luxuriant	66	76%	pink to red with bile precipitate	35°C	18Hours
<i>Escherichia coli</i> NCTC 9002	85	luxuriant	70	82%	pink to red with bile precipitate	35°C	18Hours
<i>Enterobacter aerogenes</i> ATCC 13048 (WDCM 00175)	85	luxuriant	69	81%	pink to red	35°C	18Hours
<i>Enterococcus faecalis</i> ATCC 29212 (WDCM 00087)	84	none-poor	2	2%	colourless to pale pink	35°C	18Hours
<i>Salmonella enterica</i> serovar Typhimurium ATCC 14028 (WDCM 00031)	85	luxuriant	69	81%	colourless	35°C	18Hours
<i>Staphylococcus aureus</i> ATCC 6538 (WDCM 00032)	$\geq 10^4$	inhibited	0	0%	-	35°C	72Hours
<i>Staphylococcus aureus</i> ATCC	$\geq 10^4$	inhibited	0	0%	-	35°C	72Hours

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25923 (WDCM 00034)							
<i>Salmonella enterica serovar Enteritidis ATCC 13076 (WDCM 00030)</i>	89	luxuriant	74	83%	colourless	35°C	18Hours
<i>Salmonella enterica serovar Paratyphi-A ATCC 9150</i>	86	luxuriant	70	81%	colourless	35°C	18Hours
<i>Salmonella enterica serovar Paratyphi-B ATCC 8759</i>	84	luxuriant	68	80%	colourless	35°C	18Hours
<i>Salmonella enterica serovar Typhi ATCC 6539</i>	87	luxuriant	71	81%	colourless	35°C	18Hours
<i>Salmonella enterica serovar Abony NCTC 6017 (WDCM 00029)</i>	85	luxuriant	66	77%	colourless	35°C	18Hours
<i>Proteus hauseri ATCC 13315</i>	83	luxuriant	67	80%	colourless	35°C	18Hours
<i>Shigella flexneri ATCC 12022 (WDCM 00126)</i>	84	fair to good	30	35%	colourless	35°C	18Hours
<i>Staphylococcus epidermidis ATCC 12228 (WDCM 00036)</i>	>=10 ⁴	inhibited	0	0%	-	35°C	72Hours
<i>Corynebacterium diphtheriae type gravis</i>	>=10 ⁴	inhibited	0	0%	-	35°C	72Hours

- . 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

Control Media :

- . For Bacteria : Soyabean Casein Digest Agar / Columbia Blood Agar base enriched with 5% v/v Sheep/Horse blood.
- . For Yeast & Mold : Sabouraud Dextrose Agar.

- . 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 <= 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

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Maya Sonavane

**Microbiologist/Sr.Executive
Microbiologist**



Ujwala M. Kokate

Asst./Dy/QC Manager



Dr. Santosh Kaul

Dy/QA Manager

2024-03-14