



# Certificate of Analysis

| <b>Product</b>   | <b>37775 - MacConkey Agar, Harmonized</b>  |                |
|--|--|----------------|
| <b>Batch No</b>  | <b>7609815</b>   |                |
| <b>Analysis Date</b>                                   | 06-Jun-2022  |                |
| <b>Date of Manufacture</b>                             | June 2022  |                |
| <b>Expiry Date/Re-Test Date</b>                        | June 2025  |                |
| Test Parameters  | Standards  | Actual Results |
| Appearance (Colour)                                    | Pinkish beige  | Complies       |
| Appearance (Form)                                      | Free flowing, homogeneous powder   | Complies       |
| Solubility   | 50.03 gm/liter   | Complies       |
| Solubility before autoclaving (Clarity)                | Very slightly opalescent   | Complies       |
| Gel strength   | Firm, comparable with 1.5% agar gel  | Complies       |
| pH (25°C)  | 7.1 ± 0.2  | 6.90, Complies |
| Prepared Medium Appearance after autoclaving (Clarity) | Clear to very slightly opalescent  | Complies       |
| Prepared Medium Appearance after autoclaving (Colour)  | Reddish purple   | Complies       |
| Cultural Response                                      | Inoculate and incubate at 37°C for 18 - 24 hours                                       |                |
| Organism   | Escherichia coli<br>ATCC 25922   |                |
| Inoculum (cfu) 10-100                                  | Growth : Good<br>Recovery rate : >=50.0%<br>Colony colour : pink with bile precipitate | Complies       |
| Organism   | Enterobacter aerogenes<br>ATCC 13048   |                |
| Inoculum (cfu) 10-100                                  | Growth : Good<br>Recovery rate : >=50.0%<br>Colony colour : pink to red                | Complies       |
| Organism   | Klebsiella pneumoniae<br>ATCC 13883  |                |
| Inoculum (cfu) 10-100                                  | Growth : Good<br>Recovery rate : >=50.0%<br>Colony colour : pink, mucoid               | Complies       |
| Organism   | Salmonella typhimurium<br>ATCC 14028   |                |
| Inoculum (cfu) 10-100                                  | Growth : Good<br>Recovery rate : >=50.0%<br>Colony colour : colourless                 | Complies       |
| Organism   | Shigella flexneri<br>ATCC 12022  |                |
|  |  |                |

FRM/82/11/3/37775 Rev No. 1 Date 18/09/2022

Prepared by Shikha

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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| Test Parameters       | Standards  | Actual Results |
|-----------------------|--|----------------|
| Inoculum (cfu) 10-100 | Growth : Good<br>Recovery rate : >=40.0%<br>Colony colour : colourless | Complies       |
| Organism              | Proteus mirabilis<br>ATCC 12453  |                |
| Inoculum (cfu) 10-100 | Growth : Good<br>Recovery rate : >=50.0%<br>Colony colour : colourless | Complies       |
| Organism              | Salmonella typhi<br>ATCC 6539  |                |
| Inoculum (cfu) 10-100 | Growth : Good<br>Recovery rate : >=50.0%<br>Colony colour : colourless | Complies       |
| Organism              | Salmonella Paratyphi B   |                |
| Inoculum (cfu) 10-100 | Growth : Good<br>Recovery rate : >=50.0%<br>Colony colour : colourless | Complies       |
| Organism              | Salmonella enteritidis<br>ATCC 13076                                   |                |
| Inoculum (cfu) 10-100 | Growth : Good<br>Recovery rate : >=50.0%<br>Colony colour : colourless | Complies       |
| Organism              | Staphylococcus aureus<br>ATCC 25923                                    |                |
| Inoculum              | >=103<br>Growth : Inhibited  | Complies       |
| Organism              | Enterococcus faecalis<br>ATCC 29212                                    |                |
| Inoculum              | >=103<br>Growth : Inhibited  | Complies       |

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