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# Certificate of Analysis

**Product** **96871 - MacConkey Agar BioVeg**  
**Batch No** **9969185**  
**Analysis Date** 25-Apr-2024  
**Date of Manufacture** April 2024  
**Expiry Date/Re-Test Date** April 2027

| Test Parameters   | Standards  | Actual Results |
|---|--|----------------|
| Appearance (Colour)                                       | Pinkish biege  | Complies       |
| Appearance (Form)   | Free flowing, homogeneous powder   | Complies       |
| Solubility  | 51.50 gm/liter   | Complies       |
| Solubility before autoclaving<br>(Clarity)                | Very slightly opalescent   | Complies       |
| Gel strength  | Firm, comparable with 1.5% agar gel  | Complies       |
| pH (25°C)   | 7.1 ± 0.2  | 7.29 Complies  |
| Prepared Medium Appearance<br>after autoclaving (Clarity) | Very slightly opalescent   | Complies       |
| Prepared Medium Appearance<br>after autoclaving (Colour)  | Reddish purple   | Complies       |
| Cultural Response   | Inoculate and incubate at 37°C for 18 -<br>24 hours                            |                |
| Organism  | Escherichia coli<br>ATCC 25922   |                |
| Inoculum (cfu) 10-100                                     | Growth : Good<br>Recovery : >=50.0%<br>Colony colour : Pink w/bile precipitate | Complies       |
| Organism  | Enterobacter aerogenes<br>ATCC 13048   |                |
| Inoculum (cfu) 10-100                                     | Growth : Good<br>Recovery : >=50.0%<br>Colony colour : Pink to red             | Complies       |
| Organism  | Klebsiella pneumoniae<br>ATCC 13883  |                |
| Inoculum (cfu) 10-100                                     | Growth : Good<br>Recovery : >=50.0%<br>Colony colour : Pink mucoid             | Complies       |
| Organism  | Salmonella typhimurium<br>ATCC 14028   |                |
|   |  |                |

FRM/82/11/3/96871 Rev No. 2 Date 23/12/2021

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 : >=50%<br>Colony colour : colourless   | Complies       |
| Organism              | Pseudomonas aeruginosa<br>ATCC 27853                              |                |
| Inoculum (cfu) 10-100 | Growth : Good<br>Recovery : >=50%<br>Colony colour : colourless   | Complies       |
| Organism              | Proteus vulgaris<br>ATCC 13315                                    |                |
| Inoculum (cfu) 10-100 | Growth : Good<br>Recovery : >=50%<br>Colony colour : colourless   | Complies       |
| Organism              | Proteus mirabilis ATCC 12453                                      |                |
| Inoculum (cfu) 10-100 | Growth- Good<br>Recovery- >=50.0%<br>Colony colour : colourless   | Complies       |
| Organism              | Staphylococcus aureus<br>ATCC 25923                               |                |
| Inoculum              | Growth : Inhibited  | Complies       |
| Organism              | Salmonella Paratyphi B  |                |
| Inoculum (cfu) 10-100 | Growth : Good<br>Recovery : >=50.0%<br>Colony colour : colourless | Complies       |
| Organism              | Shigella flexneri<br>ATCC 12022                                   |                |
| Inoculum (cfu) 10-100 | Growth : Good<br>Recovery : >=40.0%<br>Colony colour : colourless | Complies       |

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