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Certificate of Analysis

Product **76875 - MacConkey Agar**
Batch No **7766325**
Analysis Date 12-Jun-2024
Date of Manufacture June 2024
Expiry Date/Re-Test Date June 2027

Test Parameters	Standards	Actual Results
Appearance (Colour)	Pinkish biege	Complies
Appearance (Form)	Free flowing, homogeneous powder	Complies
Solubility	50.00 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	7.14 Complies
Prepared Medium Appearance after autoclaving (Clarity)	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 ATCC 25922	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=50.0% Colony colour : Pink w/bile precipitate	Complies
Organism	Enterobacter aerogenes ATCC 13048	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=50.0% Colony colour : Pink to red	Complies
Organism	Klebsiella pneumoniae ATCC 13883	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=50.0% Colony colour : Pink, mucoid	Complies
Organism	Salmonella typhimurium ATCC 14028	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=50.0% Colony colour : Colourless	Complies
Organism	Pseudomonas aeruginosa ATCC 27853	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=50.0% Colony colour : Colourless	Complies
Organism	Proteus vulgaris ATCC 13315	

FRM/82/11/3/76875 Rev No. 1 Date 06/12/2021

Prepared by Samrudhi

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 Recovery rate : >=50.0% Colony colour : Colourless	Complies
Organism	Shigella flexneri ATCC 12022	
Inoculum (cfu) 10-100	Growth : Good Recovery : >=40.0% Colony colour : Colourless	Complies
Organism	Proteus mirabilis ATCC 12453	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=40.0% Colony colour : Colourless	Complies
Organism	Staphylococcus aureus ATCC 25923	
Inoculum (cfu) 10-100	Growth : Inhibited	Complies
Organism	Salmonella Paratyphi B	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=50.0% Colony colour : Colourless	Complies

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