



**SISCO
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PVT. LTD.**

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Certificate of Analysis

Product **72074 - MacConkey Agar No.3**
Batch No **5626832**
Analysis Date 09-Aug-2023
Date of Manufacture August 2023
Expiry Date/Re-Test Date August 2026

Test Parameters	Standards	Actual Results
Appearance (Colour)	Pinkish beige	Complies
Appearance (Form)	Free flowing, homogeneous powder	Complies
Solubility	51.53 gm/liter	Complies
Solubility before autoclaving (Clarity)	Slightly opalescent	Complies
Gel strength	Firm, comparable with 1.5% agar gel	Complies
pH (25°C)	7.1 ± 0.2	6.91, Complies
Prepared Medium Appearance after autoclaving (Clarity)	Slightly opalescent	Complies
Prepared Medium Appearance after autoclaving (Colour)	Reddish purple	Complies
Cultural Response	Inoculate and incubate at 35°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	Salmonella typhimurium ATCC 14028	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=50.0% Colony colour : colourless	Complies
Organism	Enterobacter aerogenes ATCC 13048	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >=50.0% Colony colour : pink to red	Complies
Organism	Proteus vulgaris ATCC 13315	

FRM/82/11/3/72074 Rev No. 1 Date 10/01/2022

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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[an ISO 9001-2015, 17025:2017, CE, GMP Certified Company](https://www.iso.org/standard/68549.html)

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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 rate : >= 50.0% Colony colour : colourless	Complies
Organism	Enterococcus faecalis ATCC 29212	
Inoculum (cfu) 10-100	Growth : Fair-good Recovery rate : > 40.0% Colony colour : pale pink to red	Complies
Organism	Proteus mirabilis ATCC 12453	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >= 50.0% Colony colour : colourless	Complies
Organism	Salmonella typhi ATCC 6539	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >= 50.0% Colony colour : colourless	Complies
Organism	Salmonella paratyphi A	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >= 50.0% Colony colour : colourless	Complies
Organism	Salmonella paratyphi B	
Inoculum (cfu) 10-100	Growth : Good Recovery rate : >= 50.0% Colony colour : colourless	Complies
Organism	Salmonella enteritidis ATCC 13076	

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Test Parameters	Standards	Actual Results
Inoculum (cfu) 10-100	Growth : Good Recovery rate : $\geq 50.0\%$ Colony colour : colourless	Complies
Organism	Staphylococcus aureus ATCC 25923	
Inoculum	$\geq 10^3$, Growth : Inhibited	Complies

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