



**SISCO
RESEARCH
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PVT. LTD.**

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Certificate of Analysis

Product	50372 - MacConkey Agar w/o C.V., NaCl w/ 0.5% Sodium Taurocholate
Batch No	6921169
Analysis Date	21-May-2024
Date of Manufacture	May 2024
Expiry Date/Re-Test Date	May 2027

Test Parameters	Standards	Actual Results
Appearance (Colour)	Pinkish beige	Complies
Appearance (Form)	Free flowing, homogeneous powder	Complies
Solubility	55.00 gm/liter	Complies
Solubility before autoclaving (Clarity)	Clear to slightly opalescent	Complies
Gel strength	Firm, comparable with 1.5% agar gel	Complies
pH (25°C)	7.4 ± 0.2	7.38 Complies
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent	Complies
Prepared Medium Appearance after autoclaving (Colour)	Light red to red	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 : >=70.0% Colony colour : pink to red w/bile precipitate	Complies
Organism	Enterobacter aerogenes ATCC 13048	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony colour : pink to red	Complies
Organism	Klebsiella pneumoniae ATCC 13883	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony colour : pink, mucoid	Complies
Organism	Salmonella typhimurium ATCC 14028	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony colour : colourless	Complies
Organism	Pseudomonas aeruginosa ATCC 27853	

FRM/82/11/3/50372 Rev No. 1 Date 12/05/2024

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/62501.html)

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Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony colour : colourless	Complies
Organism	Proteus vulgaris ATCC 13315	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony colour : colourless	Complies
Organism	Shigella flexneri ATCC 12022	
Inoculum (cfu) 10-100	Growth : Fair-good Recovery Rate : >=50.0% Colony colour : colourless	Complies
Organism	Proteus mirabilis ATCC 12453	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony colour : colourless	Complies
Organism	Salmonella typhi ATCC 6539	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony colour : colourless	Complies
Organism	Salmonella paratyphi A	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony colour : colourless	Complies
Organism	Salmonella paratyphi B	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony colour : colourless	Complies
Organism	Enterococcus faecalis ATCC 29212	
Inoculum (cfu) 10-100	Growth : Fair-good Recovery Rate : >=70.0% Colony colour : pale pink-red	Complies



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Test Parameters	Standards	Actual Results
Organism	Salmonella enteritidis ATCC 13076	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=70.0% Colony colour : colourless	Complies
Organism	Staphylococcus aureus ATCC 25923	
Inoculum	Growth : Inhibited	Complies

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