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# Certificate of Analysis

**Product** 70791 - Xylose Lysine Deoxycholate Agar (XLD Agar)  
**Batch No** 6214759  
**Analysis Date** 30-Apr-2024  
**Date of Manufacture** April 2024  
**Expiry Date/Re-Test Date** April 2027

Test Parameters	Standards	Actual Results
Appearance (Colour)	Pink	Complies
Appearance (Form)	Free flowing, homogeneous powder	Complies
Solubility	56.68 gm/liter	Complies
Solubility before boiling (clarity)	Clear to very slightly opalescent	Complies
Gel strength	Firm, comparable with 1.5% agar gel	Complies
pH (25°C)	7.4 ± 0.2	7.21 Complies
Prepared medium appearance after boiling (clarity)	Clear to very slightly opalescent	Complies
Prepared medium appearance after boiling (colour)	Red	Complies
Cultural Response	Inoculate and incubate at 37°C for 24 hours	
Organism	Salmonella typhi ATCC 6539	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red with black centres	Complies
Organism	Salmonella typhimurium ATCC 14028	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red with black centres	Complies
Organism	Salmonella paratyphi B	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red with black centres	Complies
Organism	Proteus vulgaris ATCC 13315	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Yellow	Complies
Organism	Shigella flexneri ATCC 12022	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=30.0% Colony colour : Red	Complies

FRM/82/11/3/70791 Rev No. 2 Date 13/07/2022

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
Organism	Escherichia coli ATCC 25922	
Inoculum (cfu) 10-100	Growth : Fair Recovery Rate : >=30.0% Colony colour : Yellow	Complies
Organism	Salmonella paratyphi A	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red	Complies
Organism	Proteus mirabilis ATCC 12453	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Yellow	Complies
Organism	Salmonella enteritidis ATCC 13076	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : red with black centres	Complies
Organism	Shigella sonnei ATCC 25931	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red	Complies
Organism	Shigella dysenteriae ATCC 13313	
Inoculum (cfu) 10-100	Growth : Good Recovery Rate : >=50.0% Colony colour : Red	Complies
Organism	Staphylococcus aureus ATCC 25923	
Inoculum	Growth : Inhibited	Complies
Organism	Enterococcus faecalis ATCC 29212	
Inoculum (cfu) 10-100	Growth : Inhibited	Complies

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