



CERTIFICATE OF ANALYSIS

COA-AS-1284-L001 | Rev. 1.0

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Certificate of Analysis

MacConkey Agar with Sorbitol | Cat. AS-1284 | Lot: AS1284-L001

COA-AS-1284-L001 | Issue Date: March 2026

Product & Batch Information

Product Name	MacConkey Agar with Sorbitol	Lot Number	AS1284-L001
Catalog No.	AS-1284	Manufacture Date	January 2026
Category	Dehydrated Culture Medium	Expiry Date	January 2029
Physical Form	Powder	Pack Size	500 g
Grade	Microbiological	Storage	15–30 °C, dry, sealed

Physicochemical Test Results

No.	Test	Method	Specification	Result	Status
1	Appearance	Visual	Homogeneous light beige to pink powder	Conforms	PASS ✓
2	Colour	Visual	Light beige to pink	Light beige	PASS ✓
3	pH (2% aq., 25°C)	Potentiometry	7.1 ± 0.2	7.0	PASS ✓
4	Moisture Content	Loss on Drying (105°C, 2h)	≤ 5.0%	3.2%	PASS ✓
5	Gelling	Empirical (45–50°C)	Gels within 45–60 min at 25°C	Conforms	PASS ✓
6	Clarity (prepared)	Visual (2% aq., prepared)	Clear to slightly hazy, red-orange colour	Conforms	PASS ✓

Microbiological Performance Test Results

No.	Test Organism	ATCC No.	Expected Result	Observed Result	Status
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7	E. coli O157:H7	ATCC 35150	Good growth; colourless colonies	Colourless colonies; good growth	PASS ✓
8	E. coli (non-O157)	ATCC 25922	Good growth; pink-red colonies	Pink-red colonies; good growth	PASS ✓
9	Salmonella Typhimurium	ATCC 14028	Good growth; colourless colonies	Colourless colonies; good growth	PASS ✓
10	Staphylococcus aureus	ATCC 25923	Inhibited / no growth	No growth	PASS ✓
11	Enterococcus faecalis	ATCC 29212	Inhibited / no growth	No growth	PASS ✓

Overall Batch Disposition	RELEASED — COMPLIES WITH ALL SPECIFICATIONS
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Authorisation

ANALYSED BY <hr/> QC Analyst AuSaMicS Pty Ltd Date: _____	APPROVED & RELEASED BY <hr/> Quality Manager AuSaMicS Pty Ltd Date: _____
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