



Certificate of Analysis

COA-AS-1190-L001
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Product Details

Product Name	D/E Neutralizing Agar
Catalog No.	AS-1190
Lot No.	DEN260301
Mfg. Date	March 2026
Retest Date	March 2029
Grade	Microbiological Grade — Disinfectant Neutralizing Medium

Document Information

COA No.	COA-AS-1190-L001
Issue Date	March 2026
Issued By	AuSaMicS Quality Control
Test Ref.	ISO 11133 / AOAC / USP <61>

Test Results & Analytical Data

Test Parameter	Specification	Method	Result	Status
Appearance (powder)	Homogeneous; cream to beige; no excessive lumping	Visual inspection	Conforms	PASS
Colour (prepared medium)	Purple to reddish-purple opalescent gel	Visual — plate check	Conforms	PASS
pH (prepared, 25 °C)	7.4 – 7.8	Potentiometry (ISO 10523)	7.6	PASS
Gel strength (prepared)	Firm gel; slight opalescence acceptable; no syneresis	Visual — plate check	Firm	PASS
Loss on Drying	≤ 7.0% w/w	105 °C / 2 h (gravimetric)	4.2%	PASS
Solubility (54.02 g/L)	Complete dissolution with heating + agitation	Suspension + heating	Complete	PASS
BCP indicator (pH shift)	Purple → yellow upon acid production from glucose	Fermentation test (E. coli)	Positive	PASS
Growth — E. coli ATCC 25922	Good growth; yellow colonies (BCP+); 40–48 h at 37 °C	Growth promotion test	Good growth	PASS
Growth — S. aureus ATCC 25923	Good growth; yellow colonies (BCP+); 40–48 h at 37 °C	Growth promotion test	Good growth	PASS



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Test Parameter	Specification	Method	Result	Status
Growth — <i>P. aeruginosa</i> ATCC 27853	Good growth; purple/unchanged colonies (non-fermenter)	Growth promotion test	Good growth	PASS
Neutralizing efficacy — chlorine (200 ppm)	≥ 95% neutralization; recovery of viable <i>E. coli</i>	AOAC neutralizer performance	≥ 95%	PASS
Neutralizing efficacy — benzalkonium Cl (400 ppm)	≥ 95% neutralization; recovery of viable <i>S. aureus</i>	AOAC neutralizer performance	≥ 95%	PASS
Sterility (prepared medium)	No growth at 14 days (35–37 °C)	Incubation sterility check	No growth	PASS
ISO 11133 / AOAC Compliance	Full conformance with D/E neutralizing agar performance criteria	Compositional + performance review	Conforms	CONFORM

Conclusion: Lot DEN260301 fully meets all release specifications for D/E Neutralizing Agar. Neutralizing efficacy confirmed for halogens and QACs. Growth promotion verified with *E. coli* ATCC 25922, *S. aureus* ATCC 25923, and *P. aeruginosa* ATCC 27853. BCP indicator system functional. This lot is **RELEASED for use.**

Quality Control Analyst

AuSaMicS Quality Control Department
Date: March 2026 | Signature: _____

Quality Manager

AuSaMicS Pty Ltd
Date: March 2026 | Signature: _____

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