



Certificate of Analysis

COA-AS-1249-L001
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Product Details

Product Name	H. pylori Selective Medium Base
Catalog No.	AS-1249
Lot No.	HPS260301
Mfg. Date	March 2026
Retest Date	March 2028
Grade	Microbiological / Selective Grade
Base	Columbia Blood Agar + Selective Supplement

Document Information

COA No.	COA-AS-1249-L001
Issue Date	March 2026
Issued By	AuSaMicS Quality Control
Test Ref.	In-house / ATCC strains

Test Results & Analytical Data

Test Parameter	Specification	Method	Result	Status
Appearance (powder)	Homogeneous; light beige to pale pink; no lumps	Visual inspection	Conforms	PASS
Appearance (prepared medium)	Opaque, red-brown gel; homogeneous; no contamination	Visual — plate check	Conforms	PASS
pH (prepared, 25 °C)	7.1 – 7.5	Potentiometry (ISO 10523)	7.3	PASS
Gel strength (prepared)	Firm gel; no syneresis or collapse	Visual — plate check	Firm	PASS
Loss on Drying	≤ 7.0% w/w	105 °C / 2 h (gravimetric)	3.9%	PASS
Growth — H. pylori ATCC 43504	Good growth; small translucent colonies at day 3–5 (37 °C, micro.)	Microaerophilic culture	Good growth	PASS
Inhibition — E. coli ATCC 25922	Complete / ≥ 99% inhibition (aerobic, 37 °C, 48 h)	Selectivity test	Complete	PASS
Inhibition — C. albicans ATCC 10231	Complete inhibition	Antifungal selectivity	Complete	PASS



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Test Parameter	Specification	Method	Result	Status
Haemolysis pattern	Gamma (non-haemolytic) for H. pylori	Visual — plate check	Gamma	PASS
Sterility (prepared medium)	No growth at 14 days (30–35 °C, aerobic)	Incubation sterility check	No growth	PASS
Performance Compliance	Supports H. pylori growth; inhibits contaminants	Performance review	Conforms	CONFORM

Conclusion: Lot HPS260301 fully meets all release specifications for Helicobacter pylori Selective Medium Base. Performance-tested using H. pylori ATCC 43504 under microaerophilic conditions. 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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