



TECHNICAL DATA SHEET

AS-1184 | Corn Meal Agar

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Corn Meal Agar — Technical Data Sheet

Catalogue Number: AS-1184

Product Identification

Product Name	Corn Meal Agar
Catalogue Number	AS-1184
HS Code	3821.00.00
Medium Type	Dehydrated solid culture medium
Physical Form	Fine homogeneous powder
Colour	Light tan to cream

Composition (per litre of prepared medium)

Component	Function	Amount
Corn Meal Infusion Solids	Carbon, nitrogen, vitamins, trace elements	2.0 g
Agar	Solidifying agent	15.0 g

Total solids per litre: 17.0 g | Final pH: 6.0 ± 0.2 at 25 °C

Physical & Chemical Specifications

Appearance	Light tan to cream fine powder
pH (2% solution, 25 °C)	6.0 ± 0.2
Loss on Drying (moisture)	≤ 5.0%
Gel strength (prepared medium)	Firm gel suitable for plating
Solubility	Completely soluble in purified water on heating



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Preparation Instructions

1. Suspend 17.0–18.0 g of dehydrated medium in 1 L of purified or distilled water.
2. Heat with frequent agitation until completely dissolved. Do not overheat or boil vigorously.
3. Sterilise by autoclaving at 121 °C for 15 minutes.
4. Cool to 45–50 °C before pouring.
5. Optionally add 1.0 mL of sterile 10% Tween 80 solution aseptically per litre to enhance chlamyospore production.
6. Pour into sterile Petri dishes or dispense into sterile tubes for slants.
7. Allow to solidify at room temperature before use.

Performance Characteristics

Organism	Expected Result	Incubation
Candida albicans ATCC 10231	Chlamyospore formation	25–30 °C, 48–72 h
Trichophyton mentagrophytes	Sporulation, colonial morphology	25–30 °C, 7–14 days
Aspergillus niger	Conidial head formation	25–30 °C, 5–7 days
Microsporium canis	Macroconidia production	25–30 °C, 7–14 days

Storage & Stability

Dehydrated powder	10–30 °C in tightly closed container
Protect from	Moisture, light, and extreme temperatures
Prepared plates	2–8 °C, use within 4–6 weeks
Shelf life (dehydrated)	As per labelled expiry date

Quality Standards

This product is manufactured under controlled quality conditions. Each batch is tested for pH, appearance, moisture content, and performance against ATCC reference organisms prior to release.

Reference Standards	CLSI M35, APHA Standard Methods
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Batch Release Testing

pH, appearance, performance, sterility

Country of Manufacture

Australia

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