

OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION
MALT EXTRACT AGAR CM0059
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Typical Formula*

Malt extract	grams per litre	30.0
Mycological peptone		5.0
Agar		15.0

* adjusted as required to meet performance standards

Directions

Suspend 50g in 1 litre of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 115°C for 10 minutes. Mix well and pour into sterile Petri dishes.

If required, the medium may be acidified to pH 3.5 by cooling to 55°C and adding Lactic Acid 10% (SR0021). Do not reheat the acidified medium.

Physical Characteristics

Brown, free-flowing powder

Colour on reconstitution - straw 5-amber 1

Moisture level - less than or equal to 7%

pH 5.4 ± 0.2 at 25°C

Clarity - clear

Gel strength - firm, comparable to 15.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Malt Extract Agar

Medium is challenged with 10-100 colony-forming units

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Reactions after incubation at 25°C for 5 days

<i>Candida albicans</i>	ATCC®10231	1-4mm cream colonies
<i>Saccharomyces carlsbergensis</i>	ATCC®2700	1-4mm cream colonies
<i>Saccharomyces cerevisiae</i>	ATCC®9763	1-4mm cream colonies
<i>Aspergillus brasiliensis</i>	ATCC®16404	Greater than 10mm colonies, white mycelia, black spores
<i>Penicillium chrysogenum</i>	ATCC®9179	Greater than 10mm colonies, white mycelia, green spores
<i>Microsporum gypseum</i>	ATCC®24102	Greater than 10mm colonies, white mycelia, buff/white spores

OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION**MALT EXTRACT AGAR CM0059****Revision History**

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors Change ATCC®24101 to ATCC®24102	Change control	BT-CC-2263