MALT EXTRACT AGAR

A selective medium for the detection, isolation and enumeration of yeasts and moulds.

Dehydrated media	
Code number:	500 g: MEA20500, 5 kg: MEA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	5,2 – 5,6

Direction: Suspend **50 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 115 °C for 10 minutes. If adjustment of pH is necessary to pH 3,5, cool to 50 °C and add aseptically **Lactic Acid Solution (LAS80100)** to the medium in the necessary quantity. Mix well before pouring.

Warning!
The medium is heat sensitive.
No further sterilisation is necessary or desirable.
Once acidified with lactic acid, the medium should not be re-heated.
The ready medium is slightly turbid, but exempt from any precipitation.

Prepared media	
Bottled media:	100 ml: MEA30100, 500 ml: MEA30500
Plated media:	55 mm: MEA50055, 90 mm: MEA50090
Colour:	Brownish, slightly turbid
pH (25 °C)	5,3 – 5,5

Direction: If adjustment of pH is necessary, complete according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Peptones	5
Malt extract	30
Agar	15

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 25 °C	**Growth**	Incubation time: 48 h
Candida albicans	ATCC 10231	Good	
Bacillus cereus (if pH=3,5)	ATCC 11778	Inhibited	

References: Galloway and Burgess (1952) Applied Mycology and Bacteriology 3rd ed.

For professional use only!