

Malt Extract Agar (MEA)

Product No.	Product Category	Specification
HCM099	Dehydrated Culture Medium	500g/bottle

Intended Use

For the detection, isolation and enumeration of yeasts and moulds.

Principle and Interpretation

Malt extract powder provides carbon, protein and nitrogen necessary for fungal growth; agar as medium coagulant.

Formulation

Ingredients	/liter
Malt extract	30 g
Mycological peptone	5g
Agar	15 g
pH5.4±0.2 at 25°C	

Preparation

Weigh 50g of dry powder of this product, add 1L of distilled water or deionized water, stir, heat and boil until completely dissolved, sterilise by autoclaving at 115°C for 10 minutes..

Quality Control

The following quality control strains were inoculated and cultured at appropriate atmosphere and temperature and examined for growth after 48 – 120 hours. The results are as follows:

Quality control strains	Standard value	Characteristic reaction
<i>Candida albicans</i> ATCC10231	PR≥0.7	Good growth; cream coloured colonies
<i>Aspergillus niger</i> ATCC16404		White mycelium, black spores

Storage and Shelf Life

2-30°C, Keep container tightly closed, avoid direct sunlight.

GUANGDONG HUANKAI MICROBIAL SCI.&TECH.CO.,LTD.

Address: No. 788 Shenzhou Road, Science City, Huangpu District, Guangzhou, Guangdong, China

Email: support@hkmbio.com

Website: <https://www.huankaigroup.com>

Technical Data Sheet



Use before expiry date on the label.

Precautions

1. When weighing the dehydrated medium, please wear masks to avoid causing respiratory system discomfort
2. Keep container tightly closed after using to prevent clumping.

Waste Disposal

Microbiological contamination was disposed by autoclaving at 121°C for 30 minutes.

Revision

On June 14, 2024

References

Galloway, L.D. and Burgess, R. (1952). Applied Mycology and Bacteriology, Leonard Hill, London. Thom and Church, 1926. The Aspergilli.

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