

## TECHNICAL DATA SHEET

# NON-ANIMAL MALT EXTRACT BROTH

### CULTURE OF YEASTS & MOLDS

## 1 INTENDED USE

Non-Animal Malt Extract broth is used for the growth of yeasts and molds in the food, cosmetic and pharmaceutical industries. Guaranteed free of any animal ingredients, it can be used without concern for regulatory issues related to animal or bovine components making it an ideal media for a wide variety of applications.

## 2 PRINCIPLES

Malt extract is rich in carbohydrates. In an acid medium, and combined with other plant peptones, it supplies all the nutritive elements required for the metabolism of yeasts and molds. .

Yeast extract provides additional growth factors in the form of vitamins.

## 3 TYPICAL COMPOSITION

The composition can be adjusted in order to obtain optimal performance.

For 1 liter of media :

- Malt extract.....	6,0 g
- Yeast extract .....	1,2 g
- Maltose.....	1,8 g
- Glucose, anhydrous .....	6,0 g

pH of the ready-to-use media at 25 °C : 4,7 ± 0,2.

## 4 PREPARATION

- Dissolve 15,0 g of dehydrated media (BK205) into 1 liter of distilled or demineralized water.
- Stir slowly until complete dissolution.
- Dispense into tubes or vials.
- Sterilize in an autoclave 121 °C for 15 minutes.
- Cool to room temperature.

✓ **Reconstitution :**  
15,0 g/L

✓ **Sterilization :**  
15 min at 121 °C

## 5 INSTRUCTIONS FOR USE

- Inoculate according to the appropriate procedure.
- Incubate at 20-25 °C for 3 to 15 days or until sufficient biomass is obtained.

## 6 RESULTS

Growth is demonstrated by visible turbidity in the media.

## 7 QUALITY CONTROL

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**Dehydrated media** : light beige powder, free-flowing and homogeneous.

**Prepared media** : limpid, slightly amber solution.

Typical culture response after 48-72 hours of incubation at 30 °C, inoculum  $\leq 10^2$  microorganisms :

Microorganisms		Growth
<i>Saccharomyces cerevisiae</i>	WDCM 00058	Positive
<i>Candida albicans</i>	WDCM 00054	Positive
<i>Aspergillus brasiliensis</i>	WDCM 00053	Positive

## 8 STORAGE / SHELF LIFE

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**Dehydrated media** : 2-30 °C.

The expiration date is indicated on the label.

**Prepared media in tubes or in vials (\*)** : 180 days at 2-25 °C.

(\*) Benchmark value determined under standard preparation conditions, following manufacturer's instructions.

## 9 PACKAGING

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**Dehydrated media** :

500 g bottle ..... BK205HA  
5 kg drum ..... BK205GC

## 10 BIBLIOGRAPHY

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Thom, C. and Church, M.B.. 1926. The Aspergilli.

## 11 ADDITIONAL INFORMATION

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The information provided on the labels take precedence over the formulations or instructions described in this document and are susceptible to modification at any time, without warning.

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