

## Technical Information

### Conn's Agar

#### Product Code: DM 1730

**Application:** - Conn's Agar is recommended for the cultivation of fungi.

#### Composition\*\*

Ingredients	Gms / Litre
Potassium nitrate	2.000
Magnesium sulphate	1.200
Monopotassium phosphate	2.700
Maltose	7.200
Potato starch	10.000
Agar	15.000

\*\*Formula adjusted, standardized to suit performance parameters

#### Principle & Interpretation

Fungi play a part in the cycle of degeneration of almost all organic matters. By breaking down dead organic material, they continue the cycle of nutrients through ecosystems. They cause spoilage of foodstuffs and some occur as human, animal and plant pathogens. However, some fungi produce substances that can be used as drugs (such as penicillin). Other fungi can be used as food (mushrooms). Conns Agar is used for the cultivation of fungi (1).

Potato starch and maltose promote luxuriant fungal growth. Potassium nitrate is the source of nitrogen. Phosphate buffers the medium. Magnesium sulphate provides essential ions for the growth of fungi.

#### Methodology

Suspend 38.10 grams of dehydrated powder media in 1000 ml distilled water. Mix thoroughly & heat to boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.

#### Quality Control

##### Appearance

Cream to beige homogeneous free flowing powder.

##### Gelling

Firm, comparable with 1.5% Agar gel.

##### Colour and Clarity

Light yellow coloured, opaque gel forms in Petri plates

##### Cultural Response

DM 1730: Cultural characteristics observed after an incubation at 25-30°C for 48-72 hours.

##### Organism

\**Aspergillus brasiliensis* ATCC 16404 luxuriant

*Candida albicans* ATCC 10231 luxuriant

*Saccharomyces cerevisiae* ATCC 9763 luxuriant

\*Key: Formerly known as *Aspergillus niger*



Dehydrated Culture Media  
Bases / Media Supplements

## Storage and Shelf Life

**Dried Media:** Store below 10-30°C in tightly closed container and the prepared medium at 2 - 8°C. Use before expiry date on the label.

**Prepared Media:** 2-8° in sealable plastic bags for 2-5 days.

## Further Reading

1. Booth C., (Ed.), 1971, Methods in Microbiology by Norris J. R. and Ribbons D. W., Vol. 4, Academic Press, London.

## Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conform solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at CDH is true and accurate
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