Conn's Agar

M730

Intended Use:

Recommended for cultivation of fungi.

Composition**

Ingredients	g / L
Potassium nitrate	2.000
Magnesium sulphate	1.200
Potassium dihydrogen phosphate	2.700
Maltose	7.200
Potato starch	10.000
Agar	15.000

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 38.10 grams in 1000 ml purified / distilled water. Heat to boiling 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.

Principle And 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.

Type of specimen

Clinical samples - Nail and skin scrapings; Food samples.

Specimen Collection and Handling:

For clinical samples follow appropriate techniques for handling specimens as per established guidelines (2,3).
For food samples, follow appropriate techniques for sample collection and processing as per guidelines (4).
After use, contaminated materials must be sterilized by autoclaving before discarding.

Warning and Precautions :

In Vitro diagnostic Use. For professional use only. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations :

1.This medium is general purpose medium and may not support the growth of fastidious organisms.

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

Quality Control

Appearance
Cream to beige homogeneous free flowing powder
Gelling
Firm, comparable with 1.5% Agar gel.
Colour and Clarity of prepared medium
Light yellow coloured, opaque gel forms in Petri plates
Cultural Response
Cultural characteristics observed after an incubation at 25-30°C for 48-72 hours.

Organism	Growth
# *Aspergillus brasiliensis* ATCC 16404 (00053*)	luxuriant
Candida albicans ATCC 10231 (00054*)	luxuriant
Saccharomyces cerevisiae ATCC 9763 (00058*)	luxuriant

Key: *Corresponding WDCM numbers.
- Formerly known as *Aspergillus niger*

Storage and Shelf Life

Store between 10-30°C in a tightly closed container and the prepared medium at 20-30°C. Use before expiry date on the label. On opening, product should be properly stored dry, after tightly capping the bottle in order to prevent lump formation due to the hygroscopic nature of the product. Improper storage of the product may lead to lump formation. Store in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use. Product performance is best if used within stated expiry period.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (2,3).

Reference

1. Booth C., (Ed.), 1971, Methods in Microbiology by Norris J. R. and Ribbons D. W., Vol. 4, Academic Press, London.
2. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
3. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.
4. Salfinger Y., and Tortorello M.L., 2015, Compendium of Methods for the Microbiological Examination of Foods, 5th Ed., American Public Health Association, Washington, D.C.

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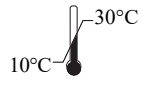
IVD ***In vitro* diagnostic medical device**



Storage temperature

EC REP CEpartner4U, Esdoornlaan 13,
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www.cepartner4u.eu

CE Marking

Do not use if package is damaged