



HiCulture™ Transport Swabs w/Chlamyospore Medium with metal stick MS113S

Intended Use

Recommended for recovery of *Candida albicans* from clinical specimens.

Composition**

Ingredients	Gms / Litre
Ammonium sulphate	1.000
Potassium dihydrogen phosphate	1.000
Biotin	0.000005
Trypan blue	0.100
Purified polysaccharide	20.000
Agar	15.000
Final pH (at 25°C)	5.1±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

Using the capped swab provided along with the medium containing tube, collect the sample or specimen from surface. Discard the cap of the tube and insert the capped swab with the sample till the bottom of the medium. Tighten the cap firmly. The specimen will be preserved during transportation and also the viability of the organisms will be maintained but it will diminish over the time. Some growth of contaminants may occur during longer period of transport. After the transportation, the specimen should be inoculated in proper medium as soon as possible. The cultures on transport swabs must not be kept at room temperature for more than 24 hours.

Principle And Interpretation

Effective recovery of microorganisms and its identification is dependent on a number of factors such as collection and transportation to the laboratory under conditions which allow maintenance of viability. Chlamyospore medium is prepared according to the formula of Nickerson and Mankowski (3). The medium is chemically defined, semisolid supporting the survival of *Candida* species for a sufficiently long period. Sterile cotton swabs allow absorption of specimen material while polystyrene shaft allows semiflexibility to the swab stick, aiding in collection.

Ammonium sulphate acts as sources of ions that simulate metabolism. Potassium dihydrogen phosphate provides buffering to the medium. Biotin provides the necessary vitamins required for metabolism. Purified polysaccharide acts as a source of carbon. Trypan blue is a vital dye absorbed selectively by the chlamyospores and imparts blue colour to chlamyospores, whereas the filaments are colourless.

Type of specimen

Clinical samples; Environmental monitoring

Specimen Collection and Handling

After use, contaminated materials must be sterilized by autoclaving before discarding.

Warning and Precautions

In Vitro diagnostic 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. Users are recommended to validate the medium for any specific microorganisms other than mentioned in the certificate of analysis based on users unique requirement, as each lot has been tested for the organisms specified on the certificate of analysis.

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

Sterile Chlamydospore Medium in tubes with sterile viscous swabs with metal stick

Colour

Blue coloured medium

Quantity of Medium

8ml of medium in tubes

Reaction

4.90- 5.30

Sterility check

Passes release criteria

Cultural response

Viability of following organism was established for a period of 48 hours. Organisms grew luxuriantly and Chlamydospore formation was observed when recovered on Sabouraud Dextrose Agar(M063) and incubated at 22 - 28°C for 48 hours.

Organism	Growth	Chlamydospores
<i>Candida albicans</i> ATCC 10231 (00054*)	good	positive
<i>Candida kruisei</i> ATCC 24408	good	negative
<i>Candida minosa</i>	good	negative
<i>Candida tropicalis</i> ATCC 1369	good	negative

Key : (*) Corresponding WDCM numbers

Storage and Shelf Life

Store between 5-25°C. Use before expiry date on the label. 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 (1,2).

Reference

1. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
2. 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.
3. Nickerson and Mankowski, 1953, J.Inf. Dis, 92:20.

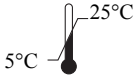
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IVD

In vitro diagnostic medical device



CE Marking



Storage temperature



Do not use if package is damaged

HiMedia Laboratories Pvt. Limited,
23 Vadhani Industrial Estate,
LBS Marg, Mumbai-86, MS, India

EC REP

CE Partner 4U ,Esdoornlaan 13, 3951
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