



Technical Data

HiDip™ Modified Nickerson Medium- Modified Nickerson Medium HD025

Intended Use:

Recommended for detection of yeasts (especially *Candida*) from mucous membrane, skin and saliva.

Composition**

Ingredients	g / L
Modified Nickerson Medium	
Yeast extract	1.000
Glycine	10.000
Dextrose (Glucose)	10.000
Ammonium Bismuth Citrate	5.000
Sodium sulphite	3.000
Agar	16.000
Final pH (at 25°C)	6.8±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

- Surfaces : Loosen cap and remove HiDip™ slide from container taking care not to touch agar surfaces. Check for dehydration or contamination. Gently lower the slides and press agar to touch the test surface by bending the scull around the hinge line. Apply even and firm pressure for 15-20 seconds. Take care not to smudge agar over the test surface. Repeat procedure using the second agar surface on an area adjacent to the initial test side. Return the slide to the container and close tightly. Incubate in an up right position at indicated temperature.
- Liquids: Loosen cap and remove the HiDip™ slide from container. Check for dehydration or contamination. Dip slide into test fluid for upto 15-20 seconds so that agar surface becomes totally covered. (In case of inadequate liquid sample availability, pour sample over the surface of the slide). Allow to drain. Tab it gently to remove excess fluid from surface. Return the slide to the container and close tightly. Incubate in an upright position at indicated temperature. Label the container for sample number,source, date and time etc. for reference.

Principle And Interpretation

Modified Nickerson Medium is a selective medium used for detection, selective isolation, differentiation and presumptive identification of *Candida albicans* and *Candida tropicalis*. Bismuth ammonium citrate and sodium sulphite act as selective agents suppressing bacterial growth and simultaneously forming a indicator system to presumptively identify *Candida* species.

Type of specimen

Clinical sample - mucous membrane, skin and saliva

Specimen Collection and Handling:

Refer Directions.

Warning and Precautions

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 specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations:

Modified Nickerson Medium

- Further biochemical and serological tests must be carried out for complete identification.

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

The HiDip™ slide containing a combination of sterile Modified Nickerson Medium on 2 separate individual surfaces.

Colour

Colour of Modified Nickerson Medium

Light amber coloured medium

Quantity of medium

2.5 ml per surface

pH of Modified Nickerson Medium

pH Range : 6.60-7.00

Sterility Check :

Passes release criteria

Cultural Response

Cultural characteristics observed after an incubation at 25-30°C for 18-48 hours.

Organism	Growth	Colony morphology
Modified Nickerson Medium		
<i>Candida albicans</i> ATCC 10231 (00054*)	luxuriant	smooth, circular intensely brown black, no colour diffusion and no sheen
<i>Candida kruisei</i> ATCC 24408	luxuriant	large flat, wrinkled silvery brown, black colonies with brown peripheries, yellow halo
<i>Candida tropicalis</i> ATCC 750	luxuriant	smooth discrete, dark brown with black centres, diffused blackening after 72 hours, sheen, slight mycelial fringe
<i>Escherichia coli</i> ATCC 25922 (00013*)	inhibited	
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC 25923 (00034*)	inhibited	
<i>Candida pseudotropicalis</i>		Dark reddish brown, glistening colony

Key : (*) Corresponding WDCM numbers.

Storage and Shelf Life

On receipt store between 15-30°C. Use before expiry date on the label. Product performance is best if used within stated expiry period.

Disposal

Used HiDip™ slides should be handled carefully, as it contains live microorganisms. These slides can be best disposed off either by or by immersing in a suitable disinfectant solution (i.e. dettol, phenyl etc.) over night or by autoclaving them after loosening the cap.

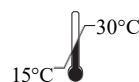
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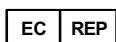
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In vitro diagnostic
medical device



Storage temperature



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CE Marking



Do not use if
package is damaged

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