

HiDip™ Mac-HiCrome™ UTI Medium

HD007

Intended Use:

Recommended for easy and fast detection of urinary tract microorganisms.

Composition**

Ingredients	g/ L
MacConkey Agar	
Gelatin peptone	17.000
Tryptone	1.500
Peptone	1.500
Lactose	10.000
Bile salts	1.500
Sodium chloride	5.000
Neutral red	0.030
Crystal violet	0.001
Agar	15.000
Final pH (at 25°C)	7.1±0.2

**Formula adjusted, standardized to suit performance parameters

HiCrome™ UTI Medium

Peptone, special	15.000
Chromogenic mixture	2.450
Agar	15.000
Final pH (at 25°C)	6.8±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

1. 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 temprature.
2. 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

MacConkey Agar is a differential medium for the selection and recovery of the *Enterobacteriaceae* and related enteric gram-negative bacilli. This medium is prepared in accordance with USP and contains crystal violet, Nacl and bile salts. It is very selective and suppresses growth of a number of gram-positive bacteria including Staphylococci. HiCrome™ UTI Agar is a differential medium recommended for identification and confirmation of microorganisms mainly causing urinary tract infections. It facilitates and expedites the identification of some gram-negative and some gram-positive bacteria on the basis of different contrasted colony colours produced by reactions of genus or species specific enzymes with two chromogenic substrates to detect presence of β-Glucosidase and β-D-Galactosidase enzyme.

Type of specimen

Clinical samples : Urine, Food and dairy samples, Water samples.

Specimen Collection and Handling

Refer Directions.

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

MacConkey Agar:

1. Though the medium is recommended for selective isolation, further biochemical and serological testing must be carried out for further confirmation.

HiCrome™ UTI Medium:

1. Since it is an enzyme-substrate based reaction, the intensity of colour may vary with isolates.

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 contains a combination of sterile MacConkey Agar Medium and HiCrome™ UTI Medium on separate individual surfaces.

Colour

Colour of MacConkey Agar

Red coloured gel with purplish tinge

Colour of HiCrome™ UTI Medium

Light amber coloured medium

Quantity of medium

2.5ml of medium per surface

Sterility Check :

Passes release criteria

pH of MacConkey Agar

pH Range : 6.90-7.30

pH of HiCrome™ UTI Medium

pH Range : 6.60-7.0

Cultural Response

Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours.

Organism	Growth	Colour of colony
MacConkey Agar		
<i>Escherichia coli</i> ATCC 25922 (00013*)	luxuriant	pink to red with bile precipitate
# <i>Klebsiella aerogenes</i> ATCC 13048 (00175*)	luxuriant	pink to red
<i>Enterococcus faecalis</i> ATCC 29212 (00087*)	fair to good	Pale pink to red
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC 25923 (00034*)	inhibited	-
<i>Salmonella</i> Enteritidis ATCC 13076 (00030*)	luxuriant	colourless
<i>Salmonella</i> Paratyphi B ATCC 8759	luxuriant	colourless
<i>Salmonella</i> Typhi ATCC 6539	luxuriant	colourless
## <i>Proteus hauseri</i> ATCC 13315	luxuriant	colourless
<i>Shigella flexneri</i> ATCC 12022 (00126*)	fair to good	colourless

HiCrome™ UTI Medium

<i>Enterococcus faecalis</i> ATCC 29212 (00087*)	luxuriant	blue, small
<i>Escherichia coli</i> ATCC 25922 (00013*)	luxuriant	pink-purple
<i>Klebsiella pneumoniae</i> ATCC 13883 (00097*)	luxuriant	blue to purple, mucoid
<i>Pseudomonas aeruginosa</i> ATCC 27853 (00025*)	luxuriant	colourless (greenish pigment may be observed)
<i>Proteus mirabilis</i> ATCC 12453	luxuriant	light brown
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC 25923 (00034*)	luxuriant	golden yellow

Key :- * Corresponding WDCM numbers

Formerly known as *Proteus vulgaris*

Formerly known as *Enterobacter aerogenes*

Storage and Shelf Life

Store between 2-8°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.

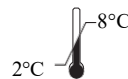
Revision : 01/2024



HiMedia Laboratories Pvt. Limited,
Plot No.C-40, Road No.21Y,
MIDC, Wagle Industrial Area,
Thane (W) -400604, MS, India



In vitro diagnostic
medical device



Storage temperature



CEpartner4U, Esdoornlaan 13,
3951DB Maarn, NL
www.cepartner4u.eu



CE Marking



Do not use if
package is damaged

Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.