



HiDip™ CLED-HiCrome™ UTI Medium

HD006

Intended Use:

Recommended for easy and fast detection of urinary tract microorganisms.

Composition**

Ingredients	g/ L
C.L.E.D. Agar w/Bromo Thymol Blue	
Peptone	4.000
Tryptone	4.000
HM Peptone B#	3.000
Lactose	10.000
L-Cystine	0.128
Bromothymol blue	0.020
Agar	15.000
Final pH (at 25°C)	7.3±0.2

**Formula adjusted, standardized to suit performance parameters

- Equivalent to Beef extract

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 temperature.

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. Tap 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

C.L.E.D. Agar is recommended for isolation, enumeration and identification of urinary pathogens on the basis of lactose fermentation.

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. 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:

C.L.E.D. Agar

1. This medium is recommended for urine infection. Low urine count may be a result of antibiotic therapy, low pH of urine.
2. Recovery depends on the urine count.
3. Inoculate the medium immediately after urine collection.

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 CLED Agar Medium and HiCrome™ UTI Medium on separate individual surfaces.

Colour of CLED Agar

Green coloured medium

Colour of HiCrome™ UTI Medium

Light amber coloured medium

Quantity of medium

2.5ml per surface

Sterility Check :

Passes release criteria

pH of CLED Agar

pH Range : 7.20-7.60

pH of HiCrome™ UTI Medium

pH Range : 6.60-7.0

Cultural Response

Cultural characteristics observed after an incubation at 35-37° C for 18-24 hours.

Organism	Growth	Colour of colony
CLED Agar		
<i>Escherichia coli</i> ATCC 25922 (00013*)	good-luxuriant	yellow, opaque, centre slightly deeper yellow
<i>Enterococcus faecalis</i> ATCC 29212 (00087*)	good-luxuriant	slight yellowish or greenish
## <i>Proteus hauseri</i> ATCC 13315	good-luxuriant	blue
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC 25923 (00034*)	good-luxuriant	deep yellow
<i>Salmonella</i> Typhi ATCC 6539	good-luxuriant	bluish
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*

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.

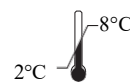
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In vitro diagnostic
medical device



Storage temperature



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CE Marking



Do not use if
package is damaged

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