Technical Data

HiDip™ HiCrome™ UTI Agar - Dey Engley Neutralizing Agar HD042

Intended Use:

Recommended for easy and fast detection of urinary tract microorganisms & in disinfectant tesing for determining bactericidal activity.

Composition**

Ingredients	Gms / Litre
HiCrome™ UTI Agar	
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

Dey Engley Neutralizing Agar	
Tryptone	5.000
Yeast extract	2.500
Dextrose(Glucose)	10.000
Sodium thiosulphate	6.000
Sodium thioglycollate	1.000
Sodium bisulphite	2.500
Lecithin	7.000
Polysorbate 80(Tween 80)	5.000
Bromocresol purple	0.020
Agar	15.000
Final pH (at 25°C)	7.6±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 temprature. Label the container for sample number,source, date and time etc. for reference.

Principle And Interpretation

HiCrome™ UTI Agar is a differential medium recommended for identification and confirmation of microorganisms mainly causing urinary tract infections. It facillitates and expedites the identification of some gram-negative and some gram-positive bacteria on the basis of different contrasted colony colours produced by reactionss of genus or species specific enzymes with two chromogenic substrates to detect presence of β-Glucosidase and β-D-Galactosidase enzyme.

Dey Engley Neutralizing Agar is used in disinfectant testing, where neutralization of the chemical is important for determing its bactericidal activity. It neutralizes a broad spectrum of antiseptics and disinfectants including quatenary ammonium compounds, phenolics, iodine and chlorine preparations, mercurials, formaldehyde and glutraldehyde. Sodium bisulfite neutralizes aldehydes, sodium thioglycollate neutralizes mercurials; sodium thiosulfate neutralizes iodine and chlorine; lecithin neutralizes quaternary ammonium compounds; and polysorbate 80, a non-ionic surface-active agent, neutralizes substituted phenolics. Bromocresol purple is an indicator for dextrose utilization.

Type of specimen

Clinical sample : Urine; 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:

HiCrome™ UTI Agar

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

Dey Engley Neutralizing Agar

1. Due to nutritional variations, some strains may show poor growth

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 combination of sterile HiCrome™ UTI Agar and Dey Engley Neutralizing Agar on separate individual surfaces.

Colour

Colour of HiCrome™ UTI Agar

Light amber coloured medium

Colour of Dey Engley Neutralizing Agar

Reddish purple coloured medium

Quantity of medium

1.5ml of medium per surface

Sterility test :

Passes release criteria

pH of HiCrome™ UTI Agar

pH Range : 6.60-7.20

pH of Dey Engley Neutralizing Agar

pH Range : 7.40-7.80

Cultural Response

Cultural characteristics observed after an incubat ion at 35-37° C for 24-48 hours.

Organism	Growth	Colour of Colony
HiCrome™ UTI Agar		
Enterococcus faecalis ATCC 29212 (00087*)	luxuriant	blue-green (small)
Klebsiella pneumoniae ATCC 13883 (00097*)	luxuriant	blue to purple, mucoid
Proteus mirabilis ATCC 12453	luxuriant	light brown
Pseudomonas aeruginosa ATCC 27853 (00025*)	luxuriant	colourless (greenish pigment may be observed)

Staphylococcus aureus subsp. aureus ATCC 25923 (00034*)	luxuriant	golden yellow

Dey Engley Neutralizing Agar

Escherichia coli ATCC 25922 (00013*)	luxuriant
Pseudomonas aeruginosa ATCC 27853 (00025*)	luxuriant
Salmonella Typhimurium ATCC 14028 (00031*)	luxuriant
Staphylococcus aureus subsp. aureus ATCC 25923 (00034*)	luxuriant
Bacillus subtilis subsp. spizizenniii ATCC 6633 (00003*)	luxuriant
Candida albicans ATCC 10231 (00054*)	luxuriant
Aspergillus brasiliensis ATCC 16404 (00053*)	luxuriant

Key :- (*) Corresponding WDCM numbers

Storage and Shelf Life

On receipt store between 2-8°C Use before expiry date on the label.
Product performance is best if used within stated expiry period.

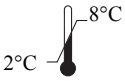
Disposal

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 : 00/2022

IVD — In vitro diagnostic medical device

CE — CE Marking



Storage temperature

Do not use if package is damaged

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