Technical Data

HiCrome™ MDR Acinetobacter Agar Plate

MP1938

Intended Use

Recommended for selective isolation of *Acinetobacter* species from environmental and clinical samples.

Composition**

Ingredients	g / L
Peptone special	9.000
Sodium chloride	5.000
Selective mix	0.500
Chromogenic mixture	1.350
Agar	15.000
Final pH (at 25°C)	7.0±0.2
VCC Selective Supplement(FD335)	**1 vial**
Ingredients	**Concentration**
Vancomycin	10.00 mg
Cefsulodin	15.00 mg
Cefradine	50.00

**Formula adjusted, standardized to suit performance parameters

Directions

Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.

Principle And Interpretation

Acinetobacter species are gram negative bacteria ubiquitous bacteria that have been isolated from patients with nosocomial infection, environment, soil, and water. *Acinetobacter* is mostly found in every type of infections (1). There is an alarming situation as *Acinetobacter baumannii* is found to be resistant to most commonly used antibiotics which includes beta lactams and aminoglycosides (2,3). Immunocompromised patients requiring mechanical respirations are at more risk of infection by *Acinetobacter* species.(3)

Peptone special provides nitrogenous, carbonaceous compounds, amino acids, vitamins and other growth factors essential to the organism. Sodium chloride maintains the osmotic balance. Selective mix inhibits gram positive organisms. The chromogenic mixture in the medium allows the differentiation of *Acinetobacter* species from other organisms. Selective supplement helps inhibiting contaminating microflora.

Type of specimen

Clinical samples - Nasal swab, Environmental Samples

Specimen Collection and Handling:

For clinical samples follow appropriate techniques for handling specimens as per established guidelines (4,5).

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 pack. 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. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium.
2. Each lot of the medium has been tested for the organisms specified on the COA. It is recommended to users to validate the medium for any specific microorganism other than mentioned in the COA based on the user's unique requirement.

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 HiCrome™ MDR Acinetobacter Agar in 90 mm disposable plates with smooth surface & absence of black particles/ cracks/ bubbles.

Colour of medium

Yellow to light purple coloured medium

Quantity of medium

25 ml of medium in 90 mm disposable plates.

pH

6.8-7.2

Sterility Check

Passes release criteria

Cultural Response

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

Organism	Inoculum (CFU)	Growth	Recovery	Colour of colony
Acinetobacter baumannii ATCC BAA-1605	50 -100	luxuriant	>=50 %	Light purple with halo
Acinetobacter baumannii ATCC BAA-747	>=10^4	inhibited	0 %	-
Acinetobacter baumannii ATCC 19606	>=10^4	inhibited	0 %	-
Acinetobacter lwofii ATCC 15309	>=10^4	inhibited	0 %	-
Acinetobacter haemolyticus ATCC 19002	>=10^4	inhibited	0 %	-
Escherichia coli ATCC 25922 (00013*)	>=10^4	inhibited	0 %	-
Enterococcus faecalis ATCC 29212 (00087*)	>=10^4	inhibited	0 %	-

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

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 (4,5).

Reference

1. Valentine, S.C., et.al. 2008 Phenotypic and molecular characterization of Acinetobacter baumannii. Clinical isolates from nosocomial outbreaks in Los Angeles Country, California. J.Clin. Microbiology.; 46:2499-2507

2. Montefour, K., et.al.2008. *Acinetobacter baumannii* : An Emerging Multidrug Resistant pathogen in critical care Nurse; 28:15-25

3. Bergogne-Berezin, E., m. L. Joly-Guillou, and J.F. Vieu. 1987. Epidemiology of nosocomial infections due to Acinetobacter calcoaceticus . J. Hosp. Infect. 10:105-113.

4. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.

5. 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.

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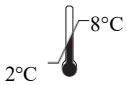
IVD ***In vitro*** **diagnostic medical device**



Storage temperature

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

CE **CE Marking**

Do not use if package is damaged

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