

COLUMBIA AGAR W/%5 SHEEP BLOOD /CHOCOLATE AGAR

INTENDED USE:

Columbia Agar w/ %5 Sheep Blood/Chocolate Agar is used for the selective isolation of Gram negative and Gram positive bacteria

PRINCIPLE AND INTERPRETATION:

Columbia Agar w/ %5 Sheep Blood is general-purpose medium for the isolation and cultivation of nonfastidious and fastidious microorganisms from a variety of clinical and nonclinical materials.

Chocolate Agar is non-selective media for the isolation and cultivation of fastidious microorganisms, especially Neisseria and Haemophilus species, from a variety of clinical specimens.

COMPOSITION:

COLUMBIA AGAR W/%5 SHEEP BLOOD	
Ingredients	Gr/Liter
Special peptone	23 gr
Starch	1 gr
Sodium chloride	5 gr
Agar	10 gr
Defibrinated Sheep Blood	50 mL

CHOCOLATE AGAR	
Ingredients	Gr/Liter
`Lab-Lemco' powder	10 gr
Peptone Neutralised	10 gr
Sodium chloride	5 gr
Agar	15 gr
Defibrinated Sheep Blood	90 mL

***Formula adjusted, standardized to suit performance parameters

pH 7.3 ± 0.2

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pH 7.3 ± 0.2

PRECAUTIONS:

For professional use only. Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

TEST PROCEDURE:

Incubate plates at 35 ± 2°C in an aerobic atmosphere supplemented with carbon dioxide. Read plates after 18 to 24 and after 42 to 48 hours of incubation.

QUALITY CONTROL:**1.Sterility Control:**

Incubation 48 hours at 30-35°C and 72 hours at 20-25°C: NO GROWTH

2.Physical/Chemical Control

pH (Columbia Agar w/ %5 Sheep Blood): 7,3 ± 0,2 / pH (Chocolate Agar) : 7,3 ± 0,2

Apperance(Columbia Agar w/ %5 Sheep Blood): Prepared medium with 5% sheep blood is red and opaque.

Apperance(Chocolate Agar):Brown

3.Microbiological Control: Incubate plates at $35 \pm 2^{\circ}\text{C}$ in an aerobic atmosphere supplemented with carbon dioxide. Read plates after 18 to 24 and after 42 to 48 hours of incubation.

Microorganism	Inoculum (CFU)	Results	
		Columbia Agar w/ ^o 5 Sheep Blood	Chocolate Agar
Escherichia coli ATCC 25922	10-100	Good(γ hemolysis)	Not Tested
Staphylococcus aureus ATCC 25923	10-100	Good(β hemolysis)	Not Tested
Streptococcus pneumoniae ATCC 6305	10-100	Good(α hemolysis)	Cream colonies
Streptococcus pyogenes ATCC 19615	10-100	Good(β hemolysis)	Cream colonies
Haemophilus influenzae ATCC 10211	10-100	Not Tested	White small colonies
Neisseria gonorrhoeae ATCC 49226	10-100	Not Tested	White small colonies

STORAGE CONDITIONS AND SHELF LIFE:

Store the prepared medium at $2 - 12^{\circ}\text{C}$. Use before expiry date on the label.Do not use beyond stated expiry date.

DISPOSAL:

Incubated prepared medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected plate should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

PACKAGING:

Katalog Number: 03018

Packaging:Single wrap

Content: 10 plates/each package

REFERENCES:

1. Ellner, Stoessel, Drakeford and Vasi. 1966. Am. J. Clin. Pathol. 45:502.
2. Fildes. 1920. Br. J. Exp. Pathol. 1:129.
3. Fildes. 1921. Br. J. Exp. Pathol. 2:16.
4. Chapin and Doern. 1983. J. Clin. Microbiol. 17:163.



Aseptic Sterile



Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by



Temperature Limitation



Do not reuse



Contains sufficient for <n> tests



Look at user manual



Manufacturer