

REINFORCED CLOSTRIDIAL MEDIUM (100 ML)

INTENDED USE:

Reinforced Clostridial Medium is used for cultivation and enumeration clostridia and other anaerobes from foods and clinical specimens.

PRINCIPLE AND INTERPRETATION:

Reinforced Clostridial Medium contains peptone and beef extract as sources of carbon, nitrogen, vitamins and minerals. Yeast extract supplies B-complex vitamins which stimulate bacterial growth. Dextrose is the carbohydrate source. Sodium chloride maintains the osmotic balance. In low concentrations, soluble starch detoxifies metabolic by-products. Cysteine HCl is the reducing agent. Sodium acetate acts as a buffer. The small amount of agar makes the medium semisolid.

COMPOSITION:

Ingredients	Gr/Liter
Yeast extract	13 gr
Peptone	10 gr
Glucose	5 gr
Soluble starch	1 gr
Sodium chloride	5 gr
Sodium acetate	3 gr
Cysteine hydrochloride	0,5 gr
Agar	0,5 gr

***Formula adjusted, standardized to suit performance parameters

pH: 6,8 ± 0,2

PRECAUTIONS:

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

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: 6,8 ± 0,2

Apperance: Light to medium amber

3.Microbiological Control: Incubation at a temperature of 35±2°C and observed after 24-48 hours.

Microorganism	Inoculum (CFU)	Results
		Growth
<i>Clostridium perfringens</i> ATCC 13124	10-100	Good
<i>Escherichia coli</i> ATCC 25922	10-100	Good
<i>Staphylococcus aureus</i> ATCC 25923	10-100	Good
<i>Pseudomonas aeruginosa</i> ATCC 27853	100-1000	Inhibition

STORAGE CONDITIONS AND SHELF LIFE:

Store the prepared medium at 2 - 12°C. Use before expiry date on the label. Do not use beyond stated expiry date.

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DISPOSAL:

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

PACKAGING:**Katalog Number:** 01116**Content/Packaging:** Screw cap x 20 piece /box**REFERENCES:**

1. United States Pharmacopeial Convention, Inc. 2008. The United States pharmacopeia 31/The national formulary 26, Supp. 1, 8-1-08, online. United States Pharmacopeial Convention, Inc., Rockville, Md.
2. European Directorate for the Quality of Medicines and Healthcare. 2008. The European pharmacopoeia, 6th ed., Supp. 1, 4-1-2008, online. European Directorate for the Quality of Medicines and Healthcare, Council of Europe, 226 Avenue de Colmar BP907-, F-67029 Strasbourg Cedex 1, France.
3. Japanese Ministry of Health, Labour and Welfare. 2006. The Japanese pharmacopoeia, 15th ed., online. Japanese Ministry of Health, Labour and Welfare.
4. Hirsch and Grinstead. 1954. J. Dairy Res. 21:101.
5. Barnes and Ingram. 1956. J. Appl. Bacteriol. 19:117.
6. Barnes, Despaul and Ingram. 1963. J. Appl. Bacteriol. 26:4154. Angelotti, 1963, Academic Press, New York, N.Y.

STERILE A

Aseptic Sterile

LOT

Batch Code

REF

Catalogue Number

CONTROL -

Negative Controls

CONTROL +

Positive Controls



Use by

Temperature
Limitation

Do not reuse

Contains sufficient
for <n> tests

Look at user manual



Manufacturer