



## Product Information

### REINFORCED CLOSTRIDIAL BROTH

Product Number R 1023

#### Product Description

Reinforced Clostridial Broth is used for the cultivation and enumeration of *Clostridia* and other anaerobes. Reinforced Clostridial Broth can be used to initiate growth from small inocula and to obtain the highest viable cell count of *Clostridia*. Casein enzymic hydrolysate, yeast extract, beef extract, starch, L-cysteine and sodium acetate provide all of the necessary nutrients for the growth of *Clostridia*. Dextrose is the fermentable carbohydrate, while sodium chloride maintains the osmotic equilibrium.

#### Components

Item	g/L
Casein Enzymic Hydrolysate	10.00
Beef Extract	10.00
Yeast Extract	3.00
Dextrose	5.00
Sodium Chloride	5.00
Sodium Acetate	3.00
Starch, Soluble	1.00
L-Cysteine Hydrochloride	0.50
Agar	0.50

Final pH (at 25 °C) 6.8 ± 0.2

#### Precautions and Disclaimer

For laboratory use only. Not for drug, household or other uses.

#### Preparation Instructions

Suspend 38 grams of Reinforced Clostridial Broth in 1000 mls of distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 10lbs. pressure (115 °C) for 15 minutes.

#### Storage

Store the dehydrated medium at 24 °C and prepared medium at 2-8 °C.

#### Product Profile

Appearance.	Yellow colored, homogeneous, free flowing powder
Color and Clarity	Light yellow colored, clear solution forms in tubes.
Cultural Response	Cultural characteristics are observed after 40-48 hours at 35 °C in an anaerobic atmosphere.

#### Organisms (ATCC) Growth

Organisms	(ATCC)	Growth
<i>Bacteroides fragilis</i>	(23745)	Good-luxuriant
<i>Bacteroides vulgatus</i>	(8482)	Good-luxuriant
<i>Clostridium butyricum</i>	(9690)	Good-luxuriant
<i>Clostridium perfringens</i>	(13124)	Good-luxuriant

#### References

1. Hirsch and Grinstead (1954), J. Dairy Res. 21: 101
2. Barnes and Ingram (1956), J. Appl. Bact. 19: 117
3. Lewis and Angelotti (Eds.) (1964), Examination of Foods for Enteropathogenic and Indicator bacteria., dept. of HEW, PHS publication, 1142, Washington, D.C.
4. American Type Culture Collection, Manassas, Va., U.S.A.

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