

Clostridial Differential Broth (DRCM)

TN 1116 500 g



Intended use

Used for the determination of the colony count of clostridia by means of the MPN method in foodstuffs and other materials.

Form

Powder

Colour

Brownish

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Typical composition

Component	g/l
Meat peptone	10
Meat extract	10
Yeast extract	1,5
Soluble starch	1
Glucose	1
Sodium acetate	5
L-Cysteine hydrochloride	0.5
Sodium sulfite	0.4
Iron (III) citrate	0.7
Resazurin	0.002

Directions

Dissolve 30.1 g (for single-strength) or 60.2 g (for double-strength) in 1 litre distilled water and autoclave at 121 °C for 15 minutes.

Final pH at 25 °C

7.1 ± 0.2

Microbiological quality control

Incubate Clostridial Differential Broth (DRCM) anaerobically for 44-72 hours at 36 ± 1°C.

Test strain	ATCC no.	Turbidity	Blackening
<i>Clostridium perfringens</i>	12915	clearly visible	clearly visible blackening
<i>Clostridium perfringens</i>	13124	clearly visible	clearly visible blackening
<i>Clostridium sordelii</i>	9714	clearly visible	clearly visible blackening
<i>Clostridium bifermentans</i>	638	clearly visible	clearly visible blackening
<i>Clostridium sporogenes</i>	19404	clearly visible	clearly visible blackening
<i>Enterococcus faecalis</i>	29212	clearly visible	no blackening
<i>Escherichia coli</i>	8739	clearly visible	no blackening
<i>Pseudomonas aeruginosa</i>	9027	no turbidity	no blackening

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