# Clostridial Differential Broth (DRCM)

TN1116 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...30 °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 ± 4 hours at 36 ± 1°C.

| Test strain | ATCC no. | WDCM | Turbidity | Blackening |
|---|---|---|---|---|
| Clostridium perfringens | 12915 | 00080 | clearly visible | clearly visible blackening |
| Clostridium perfringens | 13124 | 00007 | clearly visible | clearly visible blackening |
| Clostridium sordelii | 9714 | - | clearly visible | clearly visible blackening |
| Clostridium bifermentans | 638 | - | clearly visible | clearly visible blackening |
| Clostridium sporogenes | 19404 | 00008 | clearly visible | clearly visible blackening |
| Enterococcus faecalis | 29212 | 00087 | clearly visible | no blackening |
| Escherichia coli | 8739 | 00012 | slightly visible | no blackening |
| Pseudomonas aeruginosa | 9027 | 00026 | no turbidity | no blackening |

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