

REINFORCED CLOSTRIDIAL DIFFERENTIAL BROTH

A differential medium for the cultivation and enumeration of anaerobes, especially *Clostridium* spp. by the MPN method.

Dehydrated media	
Code number:	500 g: RCD20500, 5 kg: RCD25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,6 – 7,0

Direction: Suspend **38,5 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into final containers and sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: RCD30100, 500 ml: RCD30500
Tubed media:	150 x 15 mm: RCD40010 (10 ml)
Colour:	Yellowish, with claret colour ring on the top
pH (25 °C):	6,7 – 6,9

Direction: Dispense the bottled media aseptically into sterile final containers. Media in tubes are ready to use.

WARNING!

The media may be used until approximately 30% of the medium (top layer) has been oxidized, as indicated by a claret colour of resazurin near the surface. If oxidation has proceeded further, the media may be reheated once in steam or boiling water, cooled and used.

FORMULA in g/l

Peptones	23,000
L-Cysteine	0,500
Glucose	5,000
Starch soluble	1,000
Sodium chloride	5,000
Sodium acetate	3,000
Ferric ammonium citrate	0,500
Sodium metabisulphite	0,500
Resazurin	0,002

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled and tubed media protected from light at 2 - 8 °C, but no longer than 2 weeks. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 44 °C	Growth	Incubation time: 48 h
<i>Clostridium perfringens</i> ATCC 13124		Good, colour change to black	(under anaerobic conditions)

References: Gibbs and Freame (1965) J. Appl. Bact. 28: 95.

In vitro diagnostic – for professional use only!