REINFORCED CLOSTRIDIAL (RCM-DRCM) MEDIUM BASE, PH EUR - USP

A differential medium for the cultivation and enumeration of anaerobes, especially *Clostridium* spp. according to PH EUR (Medium P - Reinforced Media for Clostridia – Harmonised).

Dehydrated media	
Code number:	500 g: RCM20500, 5 kg: RCM25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,6 – 7,0

Direction for RCM Medium: Suspend **38 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Dispense into final containers and sterilise by autoclaving at 121 °C for 15 minutes.
Direction for DRCM Medium: Suspend **19 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121°C for 15 minutes. Cool to 50 °C and add aseptically **10 drops (0,5 ml) of Sodium Metabisulphite Solution, Sterile (SMS80030)** and **10 drops (0,5 ml) of Ferric Ammonium Citrate Solution, Sterile (FAC80030)**. Mix well and dispense aseptically into sterile final containers.

Prepared media	
Bottled media bases:	100 ml: RCM30100, 500 ml: RCM30500
Tubed DRCM media:	150 x 15 mm: RCM40010 (10 ml)
Tubed RCM media:	150 x 15 mm: RCM40010-01 (10 ml)
Colour:	Yellowish
pH (25 °C):	6,7 – 6,9

Direction: If necessary, supplement may be added to the bottled media bases according to the direction of the dehydrated media. Dispense aseptically into sterile final containers. Media in tubes are ready to use.

FORMULA in g/l

Peptones	10,000
Beef extract	10,000
Yeast extract	3,000
L-Cysteine	0,500
Glucose monohydrate	5,000
Starch soluble	1,000
Sodium chloride	5,000
Sodium acetate	3,000
Agar	0,500

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 room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 44 °C	**Growth**	Incubation time: 48 h
Clostridium perfringens ATCC 13124 (RCM)		Good (under anaerobic conditions)	
Clostridium perfringens ATCC 13124 (DRCM)		Good, blackening (under anaerobic conditions)	

References: European Pharmacopoeia 5.6
Hirsh and Grinsted (1954) J. Dairy Res. 21: 101.
Gibbs and Freame (1965) J. Appl. Bact. 28: 95.

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