

## CLOSTRIDIUM DIFFICILE (CCFA) AGAR BASE

A selective medium for the isolation of *Clostridium difficile*.

Dehydrated media	
Code number:	500 g: CCF20500, 5 kg: CCF25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,2 – 7,6

**Direction:** Suspend **34,5 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 the contents of **one vial of Clostridium Selective Supplement (CDS80004)** reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Because of the sensitivity of some *Clostridium difficile* strains, the amount of cycloserine and cefoxitin is reduced. If you want to compensate the decreased selectivity, treat the specimen with alcohol before inoculation.

Prepared media	
Bottled media bases:	100 ml: CCF30100, 500 ml: CCF30500
Plated media:	55 mm: CCF50055, 90 mm: CCF50090
Colour:	Brownish
pH (25 °C):	7,3 – 7,5

**Direction:** Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

### FORMULA in g/l

Peptones	40,00
Fructose	6,00
Sodium chloride	2,00
Magnesium sulphate	0,20
Neutral red	0,03
Buffers	5,80
Agar	15,00

**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 media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

#### Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 48 h
<i>Clostridium difficile</i>	ATCC 9689	Good, yellow colonies (under anaerobic conditions)	
<i>Escherichia coli</i>	ATCC 25922	Inhibited	
<i>Staphylococcus aureus</i>	ATCC 29213	Inhibited	

**References:** George et al. (1976) J. Clin. Microbiol. 9: 214.

**In vitro diagnostic – for professional use only!**