

COLUMBIA AGAR, PH EUR - USP

A multi-purpose non-selective medium for the cultivation of non-fastidious and fastidious micro-organisms according to PH EUR (Agar Medium Q – Harmonised).

Dehydrated media	
Code number:	500 g: CLE20500, 5 kg: CLE25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,1 – 7,5

Direction: Suspend **42 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. If addition of supplement is necessary, cool to 50 °C and add aseptically the sterile supplement (e.g. 20 mg/litre gentamicin sulphate according to the pharmacopoeia). Mix well before pouring.

Prepared media	
Bottled media:	100 ml: CLE30100, 500 ml: CLE30500
Plated media:	55 mm: CLE50055, 90 mm: CLE50090
Colour:	Yellowish
pH (at 25 °C):	7,2 – 7,4

Direction: Dispense the melted bottled media aseptically into sterile Petri-dishes. If necessary, supplement may be added to the melted bottled medium according to the direction of the dehydrated media. Media in Petri-dishes are ready to use.

FORMULA in g/l

Casein peptone	10
Meat peptone	5
Heart infusion	3
Yeast extract	5
Starch, soluble	1
Sodium chloride	5
Agar	13

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>Escherichia coli</i>	ATCC 25922	Good	
<i>Staphylococcus aureus</i>	ATCC 29213	Good	
<i>Clostridium sporogenes</i>	ATCC 19404	Good (under anaerobic conditions)	

References: European Pharmacopoeia

In vitro diagnostic – for professional use only!