

CHINA BLUE LACTOSE AGAR

A differential medium for the differentiation of lactose-positive micro-organisms from lactose-negative ones and for enumeration of bacteria.

Dehydrated media	
Code number:	500 g: CBA20500, 5 kg: CBA25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,8 - 7,2

Direction: Suspend **36 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.

Prepared media	
Bottled media:	100 ml: CBA30100, 500 ml: CBA30500
Plated media:	55 mm: CBA50055, 90 mm: CBA50090
Colour:	Blue
pH (25 °C):	6,9 - 7,1

Direction: Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Peptones	8,600
Lactose	10,000
Sodium chloride	5,000
China blue	0,375
Agar	12,000

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: 24 h
<i>Escherichia coli</i>	ATCC 25922 (L+ control)	Good, blue colonies	
<i>Salmonella typhimurium</i>	ATCC 14028 (L- control)	Good, colourless colonies	

References: Brandl and Sobek-Skal (1963) Milchwiss. Ber. 13: 1.

In vitro diagnostic - for professional use only!