

PLATE COUNT AGAR

A standard medium for the enumeration of total viable micro-organisms according to ISO 4833.

Dehydrated media	
Code number:	500 g: PCA20500, 5 kg: PCA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,8 - 7,2

Direction: Suspend **23,5 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: PCA30100, 500 ml: PCA30500
Plated media in normal Petri-dishes:	55 mm: PCA50055, 90 mm: PCA50090
Plated media in contact Petri-dishes:	65 mm: PCA50065
Colour:	Yellowish
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

Casein peptone	5,0
Yeast extract	2,5
Glucose, anhydrous	1,0
Agar	15,0

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 8739	Good	
<i>Bacillus subtilis</i>	ATCC 6633	Good	
<i>Staphylococcus aureus</i>	ATCC 25923	Good	

References: ISO 4833-1:2014

In vitro diagnostic – for professional use only!