

PLATE COUNT SKIM MILK AGAR

A non-selective medium for the enumeration of viable micro-organisms in milk and dairy products according to several ISO standards.

Dehydrated media	
Code number:	500 g: PCS20500, 5 kg: PCS25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,8 - 7,2

Direction: Suspend **23 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: PCS30100, 500 ml: PCS30500
Plated media:	55 mm: PCS50055, 90 mm: PCS50090
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

Tryptone	5,0
Yeast extract	2,5
Glucose monohydrate	1,0
Skim milk powder	1,0
Agar	13,5

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		Good	
<i>Staphylococcus aureus</i> ATCC 29213		Good	

References: APHA (1985) Standard Methods for the Examination of Dairy Products, 15th ed.
ISO 4833-1:2014, ISO 6610:1993

In vitro diagnostic – for professional use only!