

## PLATE COUNT AGAR No.2

A standard medium for the enumeration of total viable micro-organisms.

<b>Dehydrated media</b>	
Code number:	500 g: PAT20500, 5 kg: PAT25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,8 - 7,2

**Direction:** Suspend **24 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.

<b>Prepared media</b>	
Bottled media:	100 ml: PAT30100, 500 ml: PAT30500
Plated media:	55 mm: PAT50055, 90 mm: PAT50090
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
Beef extract	3
Glucose	1
Agar	15

**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 Water and Wastewater, 15<sup>th</sup> ed.

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