

PHENYLALANINE AGAR

A differential medium for the differentiation of bacteria on the basis of phenylalanine deamination.

Dehydrated media	
Code number:	500 g: PNA20500, 5 kg: PNA25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,0 – 7,4

Direction: Suspend **26 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Dispense into test tubes and sterilise by autoclaving at 121 °C for 15 minutes. Allow to cool in slanted position.

Prepared media	
Bottled media:	100 ml: PNA30100 500 ml: PNA30500
Tubed media:	100 x 12 mm: PNA40002 (2 ml - slant)
Colour:	Yellowish
pH (25 °C)	7,1 – 7,3

Direction: Dispense the melted bottled media aseptically into sterile test tubes. Allow to cool in slanted position. Media in tubes are ready to use.

FORMULA in g/l

L-Phenylalanine	1
Yeast extract	3
Sodium chloride	5
Buffers	2
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 tubed 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>Proteus mirabilis</i> ATCC 29906		Positive, colour of PAD reagent change to green	
<i>Escherichia coli</i> ATCC 25922		Negative, without colour change of PAD reagent	

References: Henrikson (1950) J. Bacteriol. 60: 225.

In vitro diagnostic – for professional use only!