

APT AGAR BASE

A non-selective medium for the cultivation and enumeration of lactic acid bacteria.

Dehydrated media	
Code number:	500 g: APT20500, 5 kg: APT25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,5 - 6,9

Direction: Suspend **59 g** in one litre of distilled water. Add **1 ml of TWEEN 80 Supplement (TWS80100)** 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: APT30100, 500 ml: APT30500
Plated media:	55 mm: APT50055, 90 mm: APT50090
Colour:	Yellowish
pH (25 °C):	6,6 - 6,8

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

FORMULA in g/l

Peptones	20,000
Glucose	10,000
Sodium chloride	5,000
Sodium citrate	5,000
Magnesium sulphate	0,800
Manganese chloride	0,140
Ferrous sulphate	0,001
Thiamine HCl	0,001
Buffers	5,000
Agar	13,000

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: 48 h
<i>Lactobacillus fermentum</i> ATCC 9338		Good	

References: Evans and Niven (1951) J. Bact. 62: 599.

In vitro diagnostic – for professional use only!