

BLOOD AGAR BASE No.2

A modified blood agar possessing enhanced nutritional properties for the cultivation of fastidious and other micro-organisms.

Dehydrated media	
Code number:	500 g: BAL20500, 5 kg: BAL25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,2 – 7,6

Direction: Suspend **42 g** in 950 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically **50 ml of sterile defibrinated sheep blood**. Mix well before pouring.

Prepared media	
Bottled media bases:	100 ml: BAL30100, 500 ml: BAL30500
Plated media (mono layer):	55 mm: BAL50055, 90 mm: BAL50090
Plated media (double layer):	90 mm: BAL50090-DL
Colour of bottled agar bases:	Yellowish
Colour of plated agar (mono layer):	Ruby red
Colour of top layer of double layer agar:	Ruby red
Colour of bottom layer of double layer agar:	Yellowish
pH (25 °C):	7,3 – 7,5

Direction: Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Nutrient substrate (peptones, liver and other extracts)	24
Sodium chloride	5
Agar	13

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>Streptococcus pneumoniae</i> ATCC 49619		Good, alpha haemolysis (under micro-aerobic conditions)	
<i>Streptococcus pyogenes</i> ATCC 19615		Good, beta haemolysis (under micro-aerobic conditions)	
<i>Enterococcus faecalis</i> ATCC 29212		Good, without haemolysis	

References: FDA Bacteriological Analytical Manual (1992) 7th ed.

In vitro diagnostic – for professional use only!