BLOOD AGAR BASE

A multi-purpose, non-selective medium for the cultivation of non-fastidious and fastidious micro-organisms.

Dehydrated media	
Code number:	500 g: BAN20500, 5 kg: BAN25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,1 – 7,5

Direction: Suspend **40 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: BAN30100, 500 ml: BAN30500
Plated media:	55 mm: BAN50055, 90 mm: BAN50090
Colour of bottled media bases:	Yellowish
Colour of plated media:	Ruby red
pH (25 °C):	7,2 – 7,4

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)	22
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
Streptococcus pneumoniae	ATCC 49619	Good, alpha haemolysis (under micro-aerobic conditions)	
Streptococcus pyogenes	ATCC 19615	Good, beta haemolysis (under micro-aerobic conditions)	
Enterococcus faecalis	ATCC 29212	Good, without haemolysis	

References: APHA (1972) Comp. of Meth. for the Micr. Examin. of Foods. 3rd ed.

In vitro diagnostic – for professional use only!