ANAEROBE ISOLATION AGAR

A non-selective medium designed to give optimum growth of nutritionally exacting anaerobe micro-organisms.

Dehydrated media	
Code number:	500 g: AIA20500, 5 kg: AIA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,0 – 7,4

Direction: Suspend **46 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. If addition of blood is necessary, cool to 50 °C and add aseptically **50 ml of sterile defibrinated blood**. Mix well before pouring.

Prepared media	
Bottled media:	100 ml: AIA30100, 500 ml: AIA30500
Plated blood-free agar:	55 mm: AIA50055, 90 mm: AIA50090
Plated blood agar:	55 mm: AIA50055-01, 90 mm: AIA50090-01
Colour of blood-free agar:	Yellowish
Colour of blood agar:	Dark red
pH (25 °C):	7,1 – 7,3

Direction: If necessary, supplement may be added to the melted bottled media according to the direction of the dehydrated media. Dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Nutrient substrate (peptones, extracts)	23,400
L-Arginine	0,500
L-Cysteine	0,500
Glucose	1,000
Starch soluble	1,000
Sodium chloride	5,000
Growth promoters	0,830
Vitamins	0,011
Buffers	0,760
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 of blood-free agar:

Test strains	Incubation temp: 37 °C	**Growth**	Incubation time: 48 h
Bacteroides fragilis	ATCC 25285	Good (under anaerobic conditions)	
Clostridium perfringens	ATCC 13124	Good (under anaerobic conditions)	

Quality control of blood agar:

Test strains	Incubation temp: 37 °C	**Growth**	Incubation time: 48 h
Bacteroides fragilis	ATCC 25285	Good, without haemolysis (under anaerobic conditions)	
Clostridium perfringens	ATCC 13124	Good, with target haemolysis (under anaerobic conditions)	

In vitro diagnostic – for professional use only!