

SCHAEDLER AGAR

A non-selective medium for the isolation and cultivation of anaerobe bacteria.

Dehydrated media	
Code number:	500 g: SAA20500, 5 kg: SAA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,4 – 7,8

Direction: Suspend **42 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: SAA30100, 500 ml: SAA30500
Plated blood agar:	55 mm: SAA50055, 90 mm: SAA50090
Plated blood free agar:	55 mm: SAA50055-04, 90 mm: SAA50090-04
Colour of plated blood agar:	Ruby red
Colour of bottled blood free media:	Yellowish
pH (25 °C):	7,5 – 7,7

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

FORMULA in g/l

Nutrient mixture (peptones, extracts)	18,000
Glucose	5,800
L-Cysteine	0,400
Sodium chloride	1,700
Vitamins	0,011
Buffers (TRIS and phosphates)	3,100
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>Bacteroides fragilis</i>	ATCC 25285	Good (under anaerobic conditions)	
<i>Clostridium pefringens</i>	ATCC 13124	Good (under anaerobic conditions)	

References: Schaedler et al. (1965) J. Exp. Med. 122: 59.

In vitro diagnostic – for professional use only!