ROGOSA AGAR

A selective medium for the isolation and enumeration of *Lactobacillus* spp.

Dehydrated media	
Code number:	500 g: ROA20500, 5 kg: ROA25000
Packaging of 500 g:	500 g agar base + 1 x 1 l salt solution
Packaging of 5 kg:	5 kg agar base + 10 x 1 l salt solution
Appearance of agar base:	Yellowish, homogeneous hygroscopic powder
Appearance of supplement:	Water clear, precipitation free solution
pH before sterilization (25 °C):	6,0 – 6,4

Direction: Suspend **50 g of agar base** in 900 ml of distilled water. Add **100 ml of Rogosa Salt Solution** and heat with frequent agitation until the medium boils well (2 – 3 min.). If adjustment of pH is necessary to pH 5,4 (approx.), cool to 50-60 °C and add aseptically glacial acetic acid to the medium in the necessary quantity (1,3 ml approx.). Mix well before pouring.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.
Once acidified with glacial acetic acid, the medium should not be re-heated.

Prepared media	
Bottled media:	100 ml: ROA30100, 500 ml: ROA30500
Plated media:	55 mm: ROA50055, 90 mm: ROA50090
Colour:	Yellowish
pH (25 °C):	6,1 – 6,3

Direction: If adjustment of pH is necessary, complete according to direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA OF ONE LITRE OF COMPLETE MEDIUM

Peptones	15,200 g
Glucose	20,000 g
Sodium acetate	17,000 g
Ammonium citrate	2,000 g
Magnesium sulphate	0,575 g
Manganese sulphate	0,120 g
Ferrous sulphate	0,034 g
TWEEN 80	1,000 ml
Buffers	6,000 g
Agar	20,000 g

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 and the supplement 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: 30 °C	**Growth**	Incubation time: 72 h
Lactobacillus acidophilus	ATCC 4356	Good (under micro-aerobic conditions)	
Staphylococcus aureus	ATCC 29213	Inhibited	

References: Rogosa et al. (1951) J. Appl. Bact. 62: 132.

In vitro diagnostic – for professional use only!