

DIASALM MEDIUM

A semi-solid selective medium for the detection of motile *Salmonella* spp.

Dehydrated media	
Code number:	500 g: DIM20500, 5 kg: DIM25000
Packaging of 500 g:	500 g medium base + 500 ml MgCl ₂ solution
Packaging of 5 kg:	5 kg medium base + 5 x 1 litre MgCl ₂ solution
Appearance of agar base:	Beige, homogeneous hygroscopic powder
Appearance of supplement:	Water-clear, precipitation free solution
pH before autoclaving (25 °C):	5,3 – 5,7

Direction: Suspend **20 g medium base** in 480 ml of distilled water. Add **20 ml of DIASALM-MSRV Magnesium Chloride Solution** and heat with frequent agitation until the medium boils well. Cool to 50 – 60 °C and pour into sterile Petri-dishes.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media:	100 ml: DIM30100, 500 ml: DIM30500
Colour:	Purple
pH (25 °C):	5,4 – 5,6

Direction: Dispense the melted bottled media aseptically into sterile Petri-dishes.

FORMULA FOR COMPLETE MEDIUM in g/l

Peptones	27,000
Sucrose	7,500
Lactose	0,500
Magnesium chloride x 6 H ₂ O (equivalent to 10,9 g of magnesium chloride anhydrous)	20,720
Sodium thiosulphate	0,800
Ferrous ammonium sulphate	0,200
Novobiocin	0,010
Bromocresol purple	0,080
Malachite green	0,037
Buffers	1,200
Agar	2,700

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. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Salmonella typhimurium</i> ATCC 14028		Good, coloured motile zone	
<i>Pseudomonas aeruginosa</i> ATCC 27853		Inhibited	

References: Van der Zee and Van Netten (1992) Proc. Symp.
"Salmonella and Salmonellosis". Ploufragan: 69.

In vitro diagnostic – for professional use only!