RAPPAPORT-VASSILIADIS (MSRV) MEDIUM

A semi-solid selective medium for the detection of motile *Salmonella* spp. according to ISO 6579.

Dehydrated media	
Code number:	500 g: MSR20500, 5 kg: MSR25000
Packaging of 500 g:	500 g medium base + 1 litre $MgCl_2$ solution
Packaging of 5 kg:	5 kg medium base + 10 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 **10 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: MSR30100, 500 ml: MSR30500
Colour:	Greenish
pH (25 °C):	5,4 – 5,6

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

FORMULA OF COMPLETE MEDIUM in g/l

Meat peptone	2,30
Soya peptone	2,30
Casein acid hydrolisate	4,60
Sodium chloride	7,30
Magnesium chloride x 6 H_2O (equivalent to 10,9 g of magnesium chloride anhydrous)	20,72
Malachite green oxalate salt	0,04
Novobiocin	0,01
Potassium phosphate, monobasic	1,50
Agar	2,70

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
Salmonella typhimurium ATCC 14028		Good, motile zone	
Pseudomonas aeruginosa ATCC 27853		Inhibited	

References: De Smedt et al. (1986) J. Food Prot. 48: 510.
ISO 6579-1:2017

In vitro diagnostic – for professional use only!