

MSRV Medium Base

Modified Semi-Solid Rappaport Vassiliadis Medium Base



TN 1272 500 g

Intended use

Semi-solid culture medium for the detection of motile salmonellae from food samples and other test material.

Form

Powder

Colour

Turquoise

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

3 years

Typical composition

Component	g/l
Tryptose	4.59
Casein hydrolysate	4.59
Sodium chloride	7.34
Potassium dihydrogen phosphate	1.47
Magnesium chloride anhydrous	10.93
Malachite green oxalate	0.037
Agar	2.7

Directions

Suspend 15.8 g in 0.5 litre distilled water, heat while stirring until completely dissolved, and cool down to 50 °C. Do not autoclave! If applicable, dissolve the contents of one bottle of Novobiocin Selective Supplement (TN 1324) according to instructions and add to the base medium. Mix well and pour plates.

Final pH at 25 °C

5.2 ± 0.2

Microbiological quality control

Incubate MSRV Medium Base (Modified Semi-Solid Rappaport Vassiliadis Medium Base) aerobically for 18-24 hours at 42 ± 1 °C.

Test strain	No.	CFU/ plate without addition of Novobiocin	CFU/ plate with Novobiocin added	Swarming zone
<i>Salmonella</i> Typhimurium	ATCC 14028	5-50	50-150	clearly visible swarming zone
<i>Salmonella</i> Abony	NCTC 6017	5-50	50-150	clearly visible swarming zone
<i>Salmonella</i> Enteritidis	ATCC 13076	5-50	50-150	clearly visible swarming zone
<i>Citrobacter freundii</i>	ATCC 8090	50-150	ca. 1000	no swarming zone
<i>Pseudomonas aeruginosa</i>	ATCC 9027	50-150	ca. 1000	no swarming zone
<i>Proteus mirabilis</i>	ATCC 29906	50-150	ca. 1000	no swarming zone

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