Distribution: Central File

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OXOID QUALITY ASSURANCE
PRODUCT SPECIFICATION

MODIFIED SEMI-SOLID RAPPAPORT VASSILIADIS MEDIUM BASE (MSRV) CM0910

Typical Formula*

Tryptose	grams per litre	4.59
Hydrolysed casein		4.59
Sodium chloride		7.34
Potassium dihydrogen phosphate		1.47
Magnesium chloride (anhydrous)		10.93
Malachite green oxalate		0.037
Agar		2.7

* adjusted as required to meet performance standards

Directions

Suspend 15.8g in 500ml of distilled water. With frequent agitation, bring to the boil to dissolve completely. Cool to 50°C and aseptically add the contents of 1 vial of MSRV Selective Supplement (SR0161E) reconstituted as directed. Mix well and pour into sterile Petri dishes. Air-dry for at least one hour. This medium is very hygroscopic and must be protected from moisture. DO NOT AUTOCLAVE.

Physical Characteristics

Green, free-flowing coarse powder
Colour on reconstitution - blue
Moisture level - less than 7%
pH 5.4 ± 0.2 at 25°C
Clarity - clear
Gel strength - semi-solid, comparable to 2.7g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Reactions after incubation at 42°C for 24 hours

Incubate plates in an upright position - do not exceed 24 hours.

Tested with the addition of Modified Semi-Solid Rappaport Vassiliadis (MSRV) Selective Supplement SR0161

Medium is challenged with 1E+03 to 1E+05 colony-forming units

Salmonella typhimurium	ATCC® 14028	Straw colonies & straw/white halo
Salmonella enteritidis	ATCC® 13076	Straw colonies & straw/white halo
Salmonella nottingham	NCTC 7832	Straw colonies & straw/white halo
Citrobacter freundii	ATCC® 8090	No growth or straw colonies & straw/white halo

A satisfactory result is represented by reactions in accordance with the specification.

Medium is challenged with 1E+04 to 1E+06 colony-forming units

Escherichia coli	ATCC® 8739	Partial to complete inhibition
Proteus mirabilis	ATCC® 12453	Partial to complete inhibition

Negative strains shall produce partial to complete inhibition