

Distribution: Central File

Date: 22/11/12

Supersedes: 05/11/09

**OXOID QUALITY ASSURANCE
PRODUCT SPECIFICATION****MODIFIED SEMI-SOLID RAPPAPORT VASSILIADIS MEDIUM BASE CM0910
(MSRV)****Typical Formula***

| | grams per litre | |
|--------------------------------|-----------------|--|
| Tryptose | 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

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

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