

MM0070

Rappaport Vassiliadis Broth

Use and description:

Selective enrichment broth for the detection of *Salmonella* in food products and in water. The strong concentration of magnesium and the malachite green, the high incubation temperature and the low pH render the medium inhibitor with regard to other bacteria.

Composition per liter:

Peptone	4.500 g
Potassium dihydrogen phosphate.....	1.260 g
Dipotassium-H-phosphate.....	0.180 g
Magnesium chloride.....	13.600 g
Sodium chloride.....	7.200 g
Malachite green	0.036 g

Final pH of the ready to use medium: 5.2 ± 0.2

Medium preparation:

Add 26,8 grams of dehydrated culture medium to 1 liter of distilled water. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 115°C for 15 minutes.

Quality specifications:

Dehydrated medium: homogeneous, beige to pale green fine powder.
Ready to use medium: clear and blue.

Microbiological response:

Organism	Result
<i>Escherichia coli</i> ATCC 25922	Inhibited
<i>Salmonella typhimurium</i> ATCC 14028	Good growth

Storage:

Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or the color has changed from the original.