

For selective enrichment medium of Salmonella with the exception of *S. Typhi* and *S. Paratyphi* from foodstuffs and other materials.

Formula in g/L

Papaic digest of soyabean meal.....	4,50	Sodium chloride.....	7,20
Potassium dihydrogen phosphate	1,26	Magnesium chloride.....	13,58
Malachite green0,036	Dipotassium hydrogen phosphate.	0,18

Final pH at 25°C: 5,2 ± 0,2

Principle:

Rappaport Vassiliadis RVSM Broth is recommended for the selective isolation of Salmonella from food or environmental samples.

The Rappaport medium was modified by Vassiliadis by reducing malachite green concentration and increasing incubation temperature offering a better stability of the pH of prepared medium and the optimization of the concentration of magnesium chloride, resulting in an improved recovery of Salmonella.

The Papaic digest of soyabean meal provides essential nutrients for growth: nitrogen, vitamins, minerals and amino acids. Potassium phosphates balance the low pH of the medium, combined with the presence of magnesium chloride to raise the osmotic pressure and malachite green inhibits other bacteria.

Preparation: suspend 26,75 grams of the medium in one liter of distilled water. Mix well and dissolve by heating with frequent agitation until complete dissolution. Dispense into tubes and sterilize in autoclave at 115°C for 15 minutes.

The prepared medium should be stored at 2-8°C

Procedure:

- ★ Transfer 0,1 ml pre-enrichment broth - Buffered Peptone Water incubated at 37±1°C for 20 hours to 10 ml of Rappaport Vassiliadis RVSM Broth
- ★ Incubate at 41,5±0,5° for 24 hours
- ★ Subculture to selective agar media: XLD LAB-AGAR™ (ref. PP 1330), Salmonella Shigella LAB-AGAR™ (ref. PP 1250) BGA LAB-AGAR™ (ref. PP 1360), Hektoen LAB-AGAR™ (ref. PP1060); Chromogenic Salmonella LAB-AGAR™ (ref. PP 0115) or other solid media.

Storage / Shelf life

- ★ Once opened keep powdered medium closed to avoid hydration at 2 - 30°C
- ★ The expiration date is indicated on the label.

Microbiological test

The following results were obtained in the performance of the medium from type cultures after incubation at a temperature of 41,5°C and observed after 24±3 hours

Microorganisms	Growth
Escherichia coli ATCC 25922	Inhibited
Salmonella Typhimurium ATCC 14028	Good

Packaging: 500 g

