

## Rappaport Vassiliadis Salmonella Enrichment Broth

**Product No.** CP209A

### Intended Use

Used for enrichment of *Salmonella spp* in drugs. (CP)

**Specification** 250 g

<b>Ingredients</b>	<b>(g/L)</b>
Soya Peptone	4.5
Sodium Chloride	8.0
Dipotassium Phosphate	0.4
Potassium Dihydrogen Phosphate	0.6
Magnesium Chloride Hexahydrate	29.0
Malachite Green	0.036

(pH  $5.2 \pm 0.2$ )

### Additional Reagents

No

### Principle and Interpretation

Soy peptone as the carbon and nitrogen source for general growth requirements. Magnesium chloride raises the osmotic pressure in the medium. Sodium chloride maintains osmotic balance. Dipotassium phosphate and potassium dihydrogen phosphate are buffering agents. Malachite green is inhibitory to organisms other than *salmonellae*. The low pH of the medium, combined with the presence of malachite green and magnesium chloride, helps to select for the highly resistant *Salmonella spp*.

### Directions

Suspend 27.1 g of the powder in 1 L of distilled water. Heat with frequent agitation and boil to dissolve completely. Autoclave at 115°C for 15 minutes.

### Precautions

No

## Quality Control

Microorganisms	Inoculum (CFU)	Reference Medium	Method	Incubation	Growth (recovery)
<i>Salmonella paratyphi B</i> CMCC(B)50094	≤100	Rappaport Vassiliadis Salmonella Enrichment Broth	Growth promoting	30°C-35°C 18h	Good

Microorganisms	Inoculum (CFU)	Reference Medium	Method	Incubation	Growth (recovery)
<i>Staphylococcus aureus</i> CMCC(B)26003	≥100	Rappaport Vassiliadis Salmonella Enrichment Broth	Inhibitory	30°C-35°C 48h	Inhibit growth

## Storage Conditions

Keep container tightly closed and store in a dry place at 2-25°C.

## Shelf Life

3 years.

## Related Products

No

*For laboratory use in industry or R&D purpose. Not for drug, household or other uses.*