

## Technical Data Sheet

# RAPPAPORT VASSILIADIS *Salmonella* ENRICHMENT BROTH DEHYDRATED MEDIUM

Art. 84658.0500

### Intended use

Selective liquid medium used for the enrichment of *Salmonella* according to the Pharmacopoeial Harmonised Method and ISO standards.

### Formula \* - Composition in g/L

Soy peptone.....	4.500
Magnesium chloride.6H <sub>2</sub> O.....	29.000
Sodium chloride.....	8.000
Dipotassium phosphate.....	0.400
Monopotassium phosphate.....	0.600
Malachite green.....	0.036

Final pH 5.2 ±0.2 at 25 °C

\* Adjusted and /or supplemented as required to meet performance criteria

### Instructions for preparation

Dissolve 42.5 g of powder in 1 l of purified water heating up if necessary. Dispense into suitable containers and sterilise by autoclaving at 115°C for 15 minutes.

### Principle of the method and general information

This culture medium is a modification of the Rappaport Vassiliadis Broth with the composition adjusted to the formulation proposed by the European Pharmacopoeia in the Harmonized Methodology, and also to the requirements of the Japanese, and United States Pharmacopoeia.

### Instruction for use

Faecal specimens and water can be enriched directly on this medium. For pharmaceutical products, food and environmental specimens, a pre-enrichment step in Buffered Peptone Water is recommended. Refer to suitable methodology (Pharmacopoeia or ISO Standard) for the incubation time and temperatures and confirmation subcultures and tests.

Precautions:

This medium should not be used if *Salmonella typhi* or *S. paratyphi A* is suspected.

To obtain optimum recovery, the enrichment broth must be incubated at 41,5 ± 1°C..

### Quality control

**Incubation temperature:** 30-35°C

**Incubation time:** 21 ± 3h

**Inoculum:** Practical range 10-100 CFU (productivity)/ 10<sup>3</sup>-10<sup>4</sup> CFU (selectivity), according to Ph. Eur.

### Microorganism

*Staphylococcus aureus* ATCC® 6538  
*Salmonella typhimurium* ATCC® 14028  
*Salmonella abony* NCTC® 6017

### Growth

Inhibited  
Good  
Good

### Remarks

Subculture on XLD 18-48h  
Subculture on XLD 18-48h  
Subculture on XLD 18-48h

### References

- ATLAS, R.M. & L.C. PARKS (1993) Handbook of Microbiology Media. CRC Press Inc. London.
- EUROPEAN PHARMACOPOEIA 10.0 (2020) 10th ed. § 2.6.13. Microbiological examination of non-sterile products: Test for specified microorganisms. Harmonised Method. EDQM. Council of Europe. Strasbourg.
- ISO Standard 6340 (1995) Water Quality. Detection of *Salmonella* species.
- PETERZ, M., C. WIBERG & P. NORBERG (1989) The effect of incubation temperature and magnesium chloride concentration on growth of *Salmonella* in home-made and commercially available dehydrated Rappaport Vassiliadis broths. J. Appl. Bact. 66:523-528.
- USP 33 - NF 28 (2011) <62> Microbiological examination of non-sterile products: Test for specified microorganisms. Harmonised Method. USP Corp. Inc. Rockville. MD. USA.
- VASSILIADIS, P., C.H. MAVROMMATI, M. EFSTRATIOU & G. CHROMAS (1985) A note on the stability of Rappaport Vassiliadis enrichment medium. J. Appl. Bact. 59:143-145.

### Storage conditions

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4 °C to 30 °C).

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### Ordering information

84658.0500

**RAPPAPORT VASSILIADIS *Salmonella* ENRICHMENT BROTH**

Bulk of 500 g.

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Note: For supplements see the section - Instructions for preparation.