

TECHNICAL DATA SHEET

Article No. 9658

Rappaport-Vassiliadis-Broth, ready-to-use culture medium

SPECIFICATION

Ready-to-use culture medium, sterile, tubes, bottles. Selective liquid medium used for the enrichment of *Salmonella* according to Ph.Eur./USP harm. and ISO.

Colour: Blue
pH: 5.2 ± 0.2 at 25 °C

COMPOSITION IN G/ L

Soy Peptone	4.500
Magnesium chloride.6H ₂ O	29.000
Sodium chloride	8.000
Dipotassium phosphate	0.400
Monopotassium phosphate	0.600
Malachite green	0.036

PACKAGE DETAILS

9658-20x10ML

Volume 10 ± 0.2 ml
Tube size 16 x 113 mm
Packaging unit 20 tubes
1 box with 20 x 10 ml in 16 x 113 mm glass tubes, ink labelled, metal-Non injectable cap.

9658-10x90ML

Volume 90 ± 3 ml
Bottle size 125 ml
Packaging unit 10 bottles
1 box with 10 x 90 ml in 125-ml-bottles. Injectable cap: Plastic screw inner cap.
The use of syringes needles with a diameter greater than 0.8 mm is not recommended.



DESCRIPTION/ TECHNIQUE

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

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

Observations:

- The refrigerated medium may present precipitates, these will not affect the performance.
- The pH may increase slightly during the useful life of the culture medium, this does not affect the performance.

MICROBIOLOGICAL CONTROL

Prepare tubes – Inoculate: Practical range 10-100 CFU (productivity) according to Ph.Eur. harm., ISO 11133

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020

Aerobiosis. Incubation at 30-35 °C. Reading at 18-24h.

Microorganism	Growth
<i>Staphylococcus aureus</i> ATCC® 6538, WDCM 00032	Inhibited. Confirm in TSA at 37°C±1 reading 24 ± 3h
<i>Salmonella typhimurium</i> ATCC® 14028, WDCM 00031	Good-recovery in XLD. After 30-35 °C for 18-48h

Sterility control:

Incubation 48 hours at 30-35 °C and 48 hours at 20-25 °C: NO GROWTH.

Check at 7 days after incubation in same conditions.



REFERENCES

- ATLAS, R.M. & L.C. PARKS (1993) Handbook of Microbiology Media. CRC Press Inc. London.
- EUROPEAN PHARMACOPOEIA 8.0 (2014) 8th 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.
- ISO 11133:2014/ Adm 1:2018. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.
- 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

8 – 25 °C

SHELF LIFE

12 months unopened from date of manufacture

updated: 02.02.23

