

RAPPAPORT-VASSILIADIS R10 BROTH
Presentation

Flip-top plastic tube with 10ml.

Sterilization method

Moist heat or aseptic filtration method.

Application

Medium used for the selective enrichment and isolation of *Salmonella* spp from food samples such as meats and dairy products, fecal samples, and contaminated water.

Principle

The Rappaport-Vassiliadis R10 broth is a selective and enrichment medium for *Salmonella*. Other intestinal bacteria are typically inhibited by malachite green, high osmotic pressure, and/or low medium pH.

How to use

Inoculate the sample in Rappaport-Vassiliadis R10 broth and incubate at 41.5±0.5°C for 24-48 hours. After the incubation period, streak onto selective agar for *Salmonella* and incubate at 35±2°C for 24 hours. Proceed with the procedure according to the identification technique adopted by the laboratory.

Quality Control

Test	Result
Sterility	Absence of microbial growth
<i>Salmonella enterica</i> ATCC 14028	Good growth in colonies pink with black centers after subculturing on XLD agar
<i>Escherichia coli</i> ATCC 25922	Partial or inhibited growth after subculture on non-selective agar
<i>Proteus mirabilis</i> ATCC 25933	Partial or inhibited growth after subculture on non-selective agar
Appearance	Liquid medium, clear, blue, free of precipitates or visible particles
pH at 25°C	5.1 ± 0.2

Results interpretation

The presence of *Salmonella* is evidenced after subculturing on selective growth media.

Precautions and special care

Product intended for *in vitro* diagnostic use only.
Restricted for use by professionals. Do not inhale or ingest.
Do not use the product beyond the expiration date, with signs of contamination, or if it has changed color. In the presence of contamination, the product should be immediately discarded.
Do not use the product if the packaging is damaged or tampered with.

Storage

Store between 2-15°C in a dry place and protect from light. The product maintains its performance even up to 5 days at room temperature for transportation.

Shelf-life

90 days from the date of manufacture.

Disposal of the product

After use, the product must be handled at the generating unit before environmentally appropriate final disposal, in accordance with official regulations.

Quality Guarantee

bioBoaVista guarantees the quality of its products as long as they are used according to their respective instructions and in accordance with national and international references. bioBoaVista does not take responsibility for the use of its products for purposes other than those described and approved by the company. All clinical diagnoses should be analyzed in conjunction with clinical evidence and not solely based on laboratory results.

References

1. Becton, Dickinson and Company. Difco & BBL Manual. Manual of Microbiological Culture Media, 2nd ed., 2009.
2. ISO 11133:2014. Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media.
3. Manual de Métodos de Análise Microbiológica de Alimentos, Livraria Varela, 3ª ed., 2007.