R0773 Rappaport Vassiliadis Medium

Rappaport Vassiliadis Medium is recommended for the enrichment of Salmonellae under conditions of high osmotic pressure, low pH and at 43°C, with modest nutritional requirements.

Composition:

Ingredients	Grams/Litre
Papaic Digest of Soyabean Meal	4.5
Sodium Chloride	7.2
Monopotassium Phosphate	1.44
Magnesium Chloride	36.0
Malachite Green	0.036
Yeast Extract	2.5
Dextrose	1.0
Agar	9.0

Final pH 5.2 +/- 0.2 at 25°C

Store prepared media below 8°C, protected from direct light. Store dehydrated powder in a dry place in tightly-sealed containers at 2-25°C.
Appearance: Greenish blue colored, homogenous, free flowing powder.
Color and Clarity: Greenish blue, clear to slightly opalescent solution with a slight precipitate.

Directions:
Suspend 49.2 g of Rappaport Vassiliadis Medium in 1000 ml of distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired into tubes and sterilize by autoclaving at 10 lbs. pressure (115°C) for 15 minutes.

Principle and Interpretation:
The Salmonella species can be isolated from human faeces without pre-enrichment by using this medium. Papaic digest of soyabean meal provides essential growth nutrients. Potassium phosphate buffers the medium to maintain the constant pH. Sodium chloride maintains the osmotic balance. Malachite green is a dye which inhibits many gram-positive bacteria.

Cultural characteristics after 18-24 hours at 42-43°C.

Organisms (ATCC)	Recovery
Salmonella typimurium (14028)	+++
Salmonella typhi (6539)	+++
Salmonella enteritidis (13076)	+++
Escherichia coli (25922)	-/+

References:
1. Van Schothorst, M., et al., (1987). Food Microbiol. 4, 11.
2. Van Schothorst, M., et al., (1983). J. Appl. Bact. 54, 209.
3. Peterz, M., et al., (1989). J. Appl. Bact. 66, 523.

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

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