Rappaport Vassiliadis Salmonella Enrichment Broth (RVS Broth) acc. to harm. EP/USP/JP

TN1262 500 g

Intended use

Used for selective enrichment of salmonellae.
This medium is based on the recommendations of the harmonised method acc. to EP/USP/JP.

Form

Powder

Colour

Turquoise

Storage

Dry, tightly closed, at 10…30 °C. This culture medium is very hygroscopic and must be protected from becoming damp.

Shelf life

3 years

Directions

Dissolve 27.1 g in 1 litre distilled water. Sterilise by autoclaving 15 minutes at 115 °C.

Typical composition

Soya peptone	4.5
Magnesium chloride anhydrous	13.58
Sodium chloride	8.0
Dipotasium phosphate	0.4
Potasium dihydrogen phosphate	0.6
Malachite green	0.036

Final pH at 25°C

5.2 ± 0.2

Microbiological quality control

Test strain	Inoculum CFU / 10 ml*	Growth	Incubated broth	Smear on XLD Agar	Incubated smears	Result
Salmonella Typhimurium ATCC 14028 (WDCM 00031)	≤ 100	good growth, clearly visible turbidity of the broth	aerobically, 14-18 h, 30-35 °C	good growth	aerobically, 14-18 h, 30-35 °C	conform
Salmonella Enteritidis ATCC 13076 (WDCM 00030)	≤ 100	good growth, clearly visible turbidity of the broth	aerobically, 14-18 h, 30-35 °C	good growth	aerobically, 14-18 h, 30-35 °C	conform
Staphylococcus aureus ATCC 6538 (WDCM 00032)	≥ 1000	no growth, no turbidity of the broth	aerobically, 28-32 h, 30-35 °C	good growth	aerobically, 48-52 h, 30-35 °C	conform

Hersteller: sifin diagnostics gmbh | Berliner Allee 317-321 | 13088 Berlin | Germany | T: +49 30 700 144-0 | F: +49 30 700 144-30 | info@sifin.de | www.sifin.de

Rappaport Vassiliadis Salmonella Enrichment Broth (RVS Broth) acc. to harm. EP/USP/JP

TN1262 500 g

Test strain	Inoculum CFU / 10 ml*	Growth	Incubated broth	Smear on XLD Agar	Incubated smears	Result
Salmonella Typhimurium ATCC 14028 (WDCM 00031)	≤ 100	good growth, clearly visible turbidity of the broth	aerobically, 21-27 h, at 41,5 ± 1 °C	> 10 cfu colourless colonies with black centre	aerobically, 14-18 h, at 37 ± 1 °C	conform
Escherichia coli ATCC 8739 (WDCM 00012)	≥ 1000					
Enterococcus faecalis ATCC 19433 (WDCM 00009)	≥ 1000					
Pseudomonas aeruginosa ATCC 27853 (WDCM 00025)	≥ 1000					
Salmonella Enteritidis ATCC 13076 (WDCM 00030)	≤ 100	good growth, clearly visible turbidity of the broth	aerobically, 21-27 h, at 41,5 ± 1 °C	> 10 cfu colourless colonies with black centre	aerobically, 14-18 h, at 37 ± 1 °C	conform
Escherichia coli ATCC 25922 (WDCM 00013)	≥ 1000					
Enterococcus faecalis ATCC 29212 (WDCM 00087)	≥ 1000					
Pseudomonas aeruginosa ATCC 27853 (WDCM 00025)	≥ 1000					
Escherichia coli ATCC 8739 (WDCM 00012)	10^3-10^4	no to slight turbidity	aerobically, 21-27 h, at 41,5 ± 1 °C	≤ 100 cfu	aerobically, min. 48-52 h, at 30-35 °C	conform
Escherichia coli ATCC 25922 (WDCM 00013)	10^3-10^4	no to slight turbidity	aerobically, 21-27 h, at 41,5 ± 1 °C	≤ 100 cfu	aerobically, min. 48-52 h, at 30-35 °C	conform
Enterococcus faecalis ATCC 19433 (WDCM 00009)	10^3-10^4	no to slight turbidity	aerobically, 21-27 h, at 41,5 ± 1 °C	< 10 cfu	aerobically, min. 48-52 h, at 30-35 °C	conform
Enterococcus faecalis ATCC 29212 (WDCM 00087)	10^3-10^4	no to slight turbidity	aerobically, 21-27 h, at 41,5 ± 1 °C	< 10 cfu	aerobically, min. 48-52 h, at 30-35 °C	conform

*) Reference medium used: TSA

Hersteller: sifin diagnostics gmbh | Berliner Allee 317-321 | 13088 Berlin | Germany | T: +49 30 700 144-0 | F: +49 30 700 144-30 | info@sifin.de | www.sifin.de