Reference: BPWR3051 **A.B.E. - Technical Data Sheet**

Product: **CHROMagar™ s. RAMBACH® Agar**

Specification

Differential culture medium for *Salmonella sp.*. (non typhi)

Presentation

	Packaging Details	Shelf Life	Storage
20 Prepared plates 90 mm with: 21 ± 2 ml	1 box with 2 packs of 10 plates/pack. Single cellophane.	3 months	2-14 ºC

Composition

Composition (g/l):
Peptone + Yeast extract..... 8.0
Chromogenic and selctive mix.....2.7
Propylene glycol..... 10.0 ml
Opaque agar.....20.0

Description /Technique

Collect, dilute and prepare samples and volumes as required according to specifications, directives, official standard regulations and/or expected results, including previously incubated enrichment broths.

Spread the plates by streaking methodology or by spiral method. Incubate the plates right side up aerobically at 35-37 ºC for 24 - 48 hours (Incubation times longer than those mentioned above or different incubation temperatures may be required depending on the sample,on the specifications,...)

After incubation, enumerate
- Red coloured colonies, due to propylene glycol hydrolisis
- bluish coloured colonies, due to ß-galactosidase activity of coliforms

Each laboratory must evaluate the results according to their specifications. Presumptive isolation of *Salmonella sp.* or coliforms must be confirmed by further microbiological and biochemical tests.

This medium can be used as a second medium of choice in ISO 6579:2002

Quality control

Physical/Chemical control

Color : Pink pH: 7.2 ± 0.2 at 25ºC

Microbiological control

Spiral Spreading: Practical range 100 ± 20 CFU. min. 50 CFU (productivity) / 10^4-10^6 CFU (selectivity).

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

Aerobiosis. Incubation at 37 ± 1 ºC, reading after 24 ± 3 h

Microorganism	Growth
Salmonella enterica ATCC® 13076, WDCM 00030	Good Reddish
Escherichia coli ATCC® 25922, WDCM 00013	Blue-green or violet colonies
Proteus mirabilis ATCC® 43071	Poor to good-Colourless colonies
Salmonella typhimurium ATCC® 14028, WDCM 00031	Good Reddish
Enterococcus faecalis ATCC® 19433, WDCM 00009	Inhibited

Sterility control

Incubation 48 h at 30-35 ºC and 48 h at 20-25 ºC: NO GROWTH.
Check at 7 days after incubation in same conditions.

Bibliography

RAMBACH,A. New Plate Medium for facilitated Differentiation of Salmonella sp from Proteus sp and other enteric bacteria. Appl. Environm, Microbiology, 56;301-303 (1990).