

1.07500.

Microbiology

RAMBACH®-AGAR

for the identification of Salmonella

Patent FR 8905594
FDA 510 (K) #: K912924/C



In Vitro Diagnostic Medical Device



For professional use only

Application

Rambach® Agar is a differential-diagnostic culture medium for identifying Salmonella in foodstuffs and clinical samples.

Typical composition (g/litre)

| | | | |
|---------------------|-----|------------------|------|
| Peptone | 8.0 | Chromogenic Mix | 1.5 |
| Sodium chloride | 5.0 | Propylene glycol | 10.5 |
| Sodium deoxycholate | 1.0 | Agar-Agar | 15.0 |

Preparation

1. Add 1 vial of liquid-mix to 250 or 1000 ml distilled water and mix by swirling until completely dissolved. (The water quantity is dependent on the respective pack-size.)

The color of the supplement may vary. This does not negatively influence the function of the supplement or the culture medium.

2. Add 1 vial of nutrient-powder and mix by swirling until completely suspended.
3. Heat in a boiling water-bath or in a current of steam, while carefully shaking from time to time. The medium is totally dissolved, if no visual particles stick to the glass-wall.

The medium should not be heat-treated further!

Standard time for complete dissolution (shaking in 5 minutes sequence):

250 ml: 20–25 minutes

1000 ml: 35–40 minutes.

Do not autoclave, do not overheat!

4. Cool the medium as fast as possible in a water-bath (45–50 °C). During this procedure (max.: 30 minutes) gently shake the medium from time to time. Pour into plates.
5. In order to prevent any precipitate or clotting of the chromogenic-mix in the plates, we advise to place Petri dishes – during pouring procedure – on a cool (max. 25 °C) surface.
6. The ready-plates are opalescent and light pink. Before inoculation, the plates should be dry.
pH: 7.3 ± 0.2 at 25 °C.
7. Shelf-life and storage conditions of fresh prepared plates:
room-temperature: 12 hours
in the fridge (not below 6 °C) unsealed: 3 weeks
in the fridge (not below 6 °C) sealed in plastic-pouch or with tape: 3 month

Application

Specimen enriched in appropriate Salmonella Selective Broth. Afterwards inoculate 1/4 of the agar surface. In order to achieve individual colonies, the inoculation shall be continued with the same loop over the rest of the plate.

Incubation: Aerobically at 35–37 °C for 24–48 hours.

See also General Instruction of Use

Evaluation

Micro-organisms

Salmonella spp*

Coliforms

other *Enterobacteriaceae*

Colour of colonies

red

blue or blue-violet

colourless/yellowish

* From various studies 97 % to 99 % strains of *Salmonella* give the typical red colonies except *S. paratyphi* A and *S. typhi* (colourless colonies on Rambach® Agar).

Storage

Usable up to expiry date when stored dry and tightly closed at +15 °C to +25 °C.

Reference

Alain Rambach, "New Plate Medium for Facilitated Differentiation of *Salmonella* spp. from *Proteus* spp. and Other Enteric Bacteria", Applied and Environmental Microbiology (Jan. 1990), **56**, 301–303.

Ordering information

Cat. no.

1.07500.0001

1.07500.0002

1.07500.0003

Pack-Size

4 vials of nutrient powder and
4 vials of liquid mix for preparation of 4 x 250 ml of
culture medium.

4 vials of nutrient powder and
4 vials of liquid mix for preparation of 4 x 1000 ml of
culture medium.

1 vial of nutrient powder and 1 vial of liquid mix for preparation of 50 L culture medium.

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