

RV-Broth with Indicator

Version: 11/2021
M&S item number: 4007 (25 x 10 ml) 4017 (60 tests incl. Swabs)
Profile: Glass tubes
Color: Greenish
Storage: Dark and dry at 4 – 12 °C
Shelf life: 8 months

Description and application range

RV-Broth is used for the qualitative swab test analysis to monitor the hygienic status of a filling line i.e. after cleaning and sterilization.

The formulation especially enhances growth of indicator bacteria, e.g. from biofilms. The mixture of pH-indicators shows both increase and decrease of the pH-value, which give a hint about the detected microorganisms.

The medium is manufactured, tested and approved in compliance with ISO 11133:2014 + Amd 1:2018 + Amd 2:2020.

pH-value at 25°C **7.0 ± 0.2**

Microbiological quality control

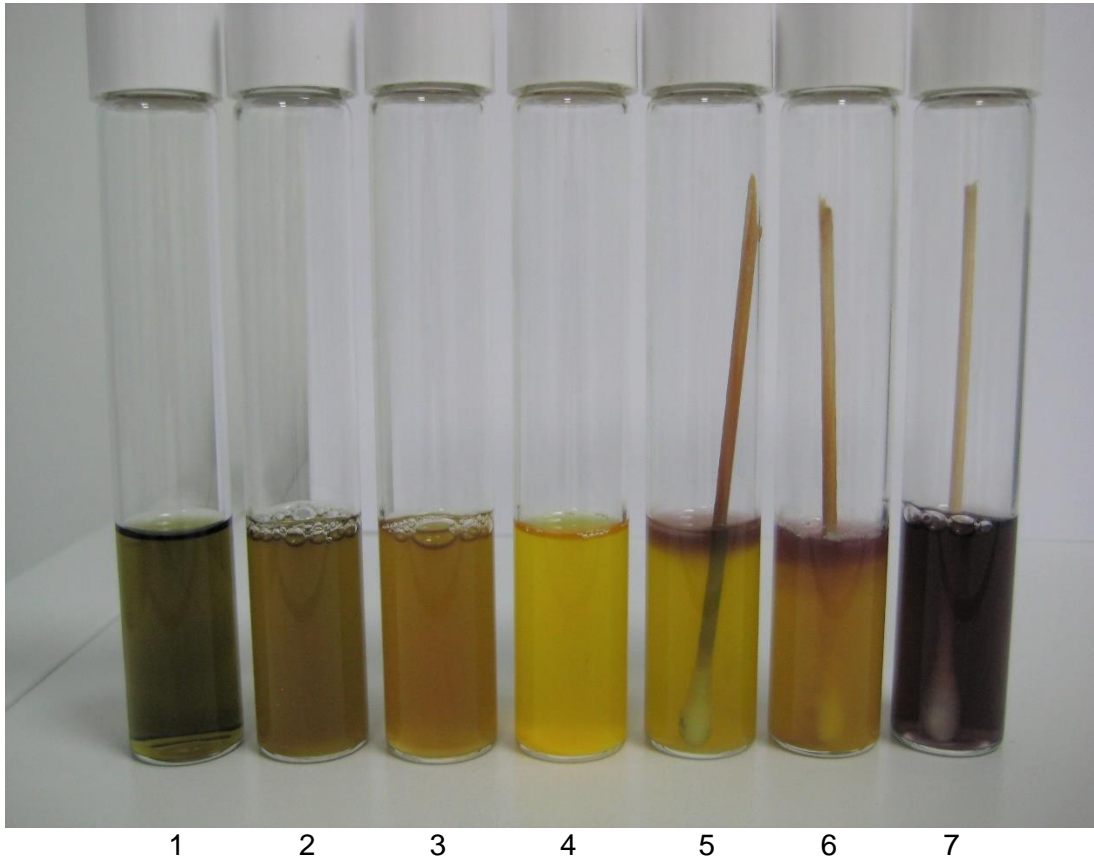
Bacterial contamination

Incubation: aerobically at room temperature for 3 days, specification: no growth

Productivity qualitative analysis

Incubation: 1-4 days at 36 ± 1 °C, aerobically

| Microorganism | Test strain | Specification | Appearance |
|-------------------------------|-------------|-------------------------|--|
| <i>Escherichia coli</i> | WDCM 00012 | Turbidity, color change | Turbidity, color change to bright yellow |
| <i>Escherichia coli</i> | WDCM 00179 | Turbidity, color change | Turbidity, color change to bright yellow |
| <i>Enterobacter cloacae</i> | WDCM 00083 | Turbidity, color change | Turbidity, color change to dark yellow |
| <i>Enterococcus faecalis</i> | WDCM 00009 | Turbidity, color change | Turbidity, color change yellowish brown |
| <i>Pseudomonas aeruginosa</i> | WDCM 00024 | Turbidity, color change | Turbidity, color change to violet |
| <i>Pseudomonas aeruginosa</i> | WDCM 00025 | Turbidity, color change | Turbidity, color change to violet |



RV-Broth after 24 h at 36°C

1. Control (greenish)
2. Pure culture *Enterococcus faecalis* WDCM 00009
3. Pure culture *Enterobacter cloacae* WDCM 00083
4. Pure culture *Escherichia coli* WDCM 00012
5. Swab test outlet rinsing tank
6. Swab test biofilm waste pipe
7. Pure culture *Pseudomonas aeruginosa* WDCM 00024 (violet)