# QUALITY CONTROL CERTIFICATE

Tritium MICROBIOLOGIE

| | | | |
|---|---|---|---|
| Product name | : Rappaport Broth (RVS) conform ISO 6579 | | |
| Abbreviation | : RVS | Batch number | : 20200400226 |
| Article code | : R151.25.0010 | Storage temp. | : 2-25 °C |
| Filling Volume | : 10 ml | Expiration date | : 13-04-2021 |
| | | *(for sealed enclosure as dd-mm-yyyy )* | |

## *Typical Formula*

*Ingredients per litre of nutrient medium * :*

| | | |
|---|---|---|
| Papaic digest of soja | 4.50 | gr |
| Sodium chloride | 7.20 | gr |
| Monopotrassium phosphate | 1.26 | gr |
| Dipotassium phosphate | 0.18 | gr |
| Magnesium chloride, anhydrous | 13.4 | gr |
| Malachite green (oxalate) | 36 | mg |
| Demiwater | 1000 | ml |

** Adjusted as required to meet peformance standards.*

## *Physical Properties*

| Test | Criterium | Result | Conforms |
|---|---|---|---|
| pH | 5,2 ± 0,2 | 5,0 | C |
| Color | blue | blue | C |
| Consistency | broth | broth | C |
| Appearance | Clear:Yes Partic.:No | Clear:Yes Part.:No | C |

## *Sterility Check*

| Incubation-condition | | Result | Conforms |
|---|---|---|---|
| 44-52 hours | 30 ±1 °C | Sterile | C |

***Growth Properties on next page.***

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## *Growth Properties*

- **Incubation-condition : 21-27 hours 41,5 ±1 °C Aerobic +Transfer : 21-27 hours 37 ±1 °C Aerobic**

| Micro-organisms | Strain | Method* | Electivity** | CFU | CFU-ref | Result | Crit. | Conf. |
|---|---|---|---|---|---|---|---|---|
| 14028+25922+27853 | ATCC MIX6 | 11 | >10 red,black centre XLD | n.a. | 81 | 2 | ≥ 2 | C |
| 13076+8739+27853 | ATCC MIX5 | 11 | >10 red,black centre XLD | n.a. | 78 | 2 | ≥ 2 | C |
| Enterococcus faecalis | ATCC 29212<br>WDCM 00087<br>NCTC 12697 | 12 | <10 colonies | n.a. | 18000 | 0 | ≤ 1 | C |
| Escherichia coli | ATCC 25922<br>WDCM 00013<br>NCTC 12241 | 12 | =<100 colonies | n.a. | 25000 | 0 | ≤ 1 | C |

* Method 11 = TV 5.11 Selective enrichment media ; Productivity of liquid media ; qualitative method (acc. ISO 11133)
Result: Turbidity ; 2 = good, 1 = slight, 0 = no turbidity ; Target inoculum <=100 cfu, non Target inoculum >=1000 cfu

* Method 12 = TV 5.12 Selective enrichment media ; Selectivity of liquid media ; qualitative method (acc. ISO 11133)
Result: Turbidity ; 2 = good, 1 = slight, 0 = no turbidity ; inoculum 10^3-10^4 cfu

** Electivity denotes the properties of the colony and/or their effect on the morphological characteristics of the medium
CFU denotes Colony Forming Units counted on batch. CFU-ref denotes Colony Forming Units counted on reference plate.
C = Conforms
Do not expose the product to intense light.
The test results reported on this quality control certificate were obtained from a sample of the batch at the time of release.

| | | |
|---|---|---|
| MIX 6 | Stam | CFU |
| ATCC 14028 Salmonella Typhimurium | Target | =<100 (=CFU-ref) |
| ATCC 25922 Escherichia coli | Non-target | >1000 |
| ATCC 27853 Pseud. aeruginosa | Non-target | >1000 |
| MIX 5 | Stam | CFU |
| ATCC 13076 Salmonella Enteritidis | Target | =<100 (=CFU-ref) |
| ATCC 8739 Escherichia coli | Non-target | >1000 |
| ATCC 27853 Pseud. aeruginosa | Non-target | >1000 |

Authorisation QC :

Peggy Spaan
17-04-2020
*(dd-mm-yyyy)*

Crit.version :10
Document ID : C20200400226