

# QUALITY CONTROL CERTIFICATE



Product name : Legionella-GVPC-Selektivagar  
Abbreviation : GVPC  
Article code : 40-1602  
Filling Volume : 18 ml

Batch number : 16021814  
Storage temp. : 4-25 °C  
Expiration date : 19-12-2022  
(for sealed enclosure as dd-mm-yyyy )

## Typical Formula

Ingredients in gram per litre of nutrient medium \* :

|                          |       |
|--------------------------|-------|
| Yeast extract            | 10    |
| Activated charcoal       | 2     |
| ACES buffer              | 10    |
| L-Cysteine               | 0.4   |
| Iron (III) pyrophosphate | 0.25  |
| Alpha-Ketoglutarate      | 1     |
| Potassium hydroxide      | 2.8   |
| Agar                     | 13    |
| Glycine                  | 3     |
| Polymyxin B [IE]         | 80000 |
| Vancomycin [mg]          | 1     |
| Cycloheximide            | 0.08  |

\* Adjusted as required to meet performance standards.

## Physical Properties

| Test         | Criterion           | Result            | Conforms |
|--------------|---------------------|-------------------|----------|
| pH           | 6.8 ± 0.2           | 6.6               | C        |
| Color        | Black               | Black             | C        |
| Consistency  | agar                | agar              | C        |
| Gel Strength |                     | Conforms          | C        |
| Appearance   | Clear:No Partic.:No | Clear:No Part.:No | C        |

## Microbial Contamination

| Incubation-condition  | Result           | Conforms |
|-----------------------|------------------|----------|
| 44-52 hours 30 ± 1 °C | No contamination | C        |

**Growth Properties on next page.**

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## Growth Properties

### • Incubation-condition : 116-124 hours 36 ±2 °C Aerobic

| Micro-organisms        | Strain     | Method* | Electivity** | CFU | CFU-ref | Result | Crit. | Conf. |
|------------------------|------------|---------|--------------|-----|---------|--------|-------|-------|
| Legionella pneumophila | ATCC 33152 | 06      | grey-white   | 72  | 117     | 0.62   | ≥ 0.5 | C     |
|                        | WDCM 00107 |         |              |     |         |        |       |       |
|                        | NCTC 11192 |         |              |     |         |        |       |       |
| Legionella anisa       | ATCC 35292 | 06      | grey-white   | 85  | 108     | 0.79   | ≥ 0.5 | C     |
|                        | WDCM 00106 |         |              |     |         |        |       |       |
|                        | NCTC 11974 |         |              |     |         |        |       |       |

### • Incubation-condition : 69-72 hours 37 ±1 °C Aerobic

| Micro-organisms       | Strain     | Method* | Electivity** | CFU  | CFU-ref | Result | Crit. | Conf. |
|-----------------------|------------|---------|--------------|------|---------|--------|-------|-------|
| Escherichia coli      | ATCC 25922 | 07      | n.a.         | n.a. | 94000   | 0      | ≤ 1   | C     |
|                       | WDCM 00013 |         |              |      |         |        |       |       |
|                       | NCTC 12241 |         |              |      |         |        |       |       |
| Enterococcus faecalis | ATCC 19433 | 07      | n.a.         | n.a. | 18000   | 0      | ≤ 0   | C     |
|                       | WDCM 00009 |         |              |      |         |        |       |       |
|                       | NCTC 775   |         |              |      |         |        |       |       |

\* Method 06 = TV 5.06 Selective enumeration agar ; Productivity of solid media ; quantitative method (acc. ISO 11133)  
Result: Productivity-Ratio (cfu test / cfu ref) ; inoculum 10<sup>2</sup> cfu

\* Method 07 = TV 5.07 Selective enumeration agar ; Selectivity of solid media ; qualitative method (acc. ISO 11133)  
Result: Growth ; 2 = good, 1 = slight, 0 = no growth ; inoculum 10<sup>4</sup>-10<sup>6</sup> 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.  
n.a = Not Applicable. Crit.= Criterium C = Conforms  
Keep protected from light and at a constant temperature.  
The test results reported on this quality control certificate were obtained from a sample of the batch.

Xebios Diagnostics Group is certified according to DIN EN ISO 9001. Our microbiological quality control is carried out by our EN ISO/IEC 17025 accredited laboratory (RVA Registration no: RvA-L 614) at Tritium Microbiologie BV, Eindhoven.  
Tritium Microbiologie BV is part of Xebios Diagnostics Group.  
This laboratory certificate is generated electronically and valid without a signature.  
Results were obtained from laboratory report X20220905745.

Release Date :  
27-09-2022  
(dd-mm-yyyy)

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