

Legionella-GVPC-Selektivagar

According to ISO 11731

Shorthand symbol:	GVPC
Item number:	40-1502
Format:	Petri Dish, 90mm
Colour:	Black, opaque
Storage conditions:	Dry, in closed bag, at 4 - 10°C.
Shelf-life:	3 Months
pH:	6.8 ± 0.2 at 25°C



Intended use and fields of application

For the detection, isolation and enumeration of Legionella from water samples and clinical material.

Typical composition in g/l

in g per 1 Litre of Nutrient medium

Activated Charcoal	2.0
Yeast Extract	10.0
ACES (Buffer/Potassium Hydroxide)	12.8
L-Cysteine	0.4
Ferric (III) Pyrophosphate	0.25
α-Ketoglutarate	1.0
Glycine	3.0
Vancomycin	0.001
Polimyxin B (in IE)	79,200
Cycloheximide	0.08
Agar	13.0

Microbiological quality control

The Microbiological Performance Test is carried out in accordance with the requirements ISO 11133:2014.

Productivity

Incubation conditions: 2–5 days and 5–10 days at 36 ± 2 °C; Inoculation concentration: 80–120 CFU

Organism	Type Strain	Specification	Colony morphology
Legionella pneumophila	ATCC 33152 / WDCM 00107	50 – 130 %	White-grey-blue-violet entire colonies with a smooth edge and a characteristic milky appearance.
Legionella anisa	ATCC 35392 / WDCM 00106	50 – 130 %	White-grey-blue-violet entire colonies with a smooth edge and a characteristic milky appearance.

Selectivity

Incubation conditions: 3 days at 36 ± 2 °C; Inoculation concentration: 10,000-1,000,000 CFU

Organism	Type Strain	Specification	Colony morphology
Escherichia coli	ATCC 8739 / WDCM 00012	Complete or partial inhibition.	-
Pseudomonas aeruginosa	ATCC 9027 / WDCM 00026	Complete or partial inhibition.	-
Enterococcus faecalis	ATCC 19433 / WDCM 00009	Complete inhibition.	-

Microbial Contamination

Incubation conditions: 5–7 days at 20–25°C and 5–7 days at 30–35°C

Specification

No microbial contamination