

Legionella-BCYE+AB-Agar (BCYE+AB)

According to ISO 11731

Shorthand symbol:	BCYE+AB
Item number:	40-1601
Format:	Petri dish, 90mm
Colour:	Black, opaque
Storage conditions:	Keep away from light at constant temperature; at 4 – 25°C.
Shelf-life:	3 Monate
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 1l Medium

Yeast Extract	10
Activated charcoal	2
ACES-Buffer	10
L-Cysteine	0.4
Iron (III) pyrophosphate	0.25
α-Ketoglutarate	1
Potassium hydroxide	2.8
Polymyxin B (in IE)	80000
Pimaricin	0.07
Cefazolin	0.009
Agar	12

*Adjusted as required to meet performance standards

Microbiological quality control

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

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 %	White-grey-blue-violet entire colonies with a smooth edge and a characteristic milky appearance.
Legionella anisa (5-10 days)	ATCC 35392 / WDCM 00106	>50 %	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 25922 / WDCM 00013	Complete or partial inhibition.	-
Enterococcus faecalis	ATCC 19433 / WDCM 00009	Complete inhibition.	-

Microbial Contamination

Incubation conditions: 48 ± 4h at 30 ± 1 °C

Specification

No microbial contamination