

## Legionella-BCYE-Agar (mit Cystein)

According to ISO 11731

|                            |                                 |
|----------------------------|---------------------------------|
| <b>Shorthand symbol:</b>   | BCYE                            |
| <b>Item number:</b>        | 40-1503                         |
| <b>Format:</b>             | Petri Dish, 90mm                |
| <b>Colour:</b>             | Black, opaque                   |
| <b>Storage conditions:</b> | Dry, in closed bag at 4 – 10°C. |
| <b>Shelf-life:</b>         | 3 Months                        |
| <b>pH:</b>                 | 6.9 ± 0.1 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  |
| Agar                              | 13.0 |

\*Adjusted as required to meet performance standards

## 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  $36 \pm 2$  °C; Inoculation concentration: 80–120 CFU

| Organism               | Type Strain             | Specification | Colony morphology  |
|------------------------|-------------------------|---------------|--|
| Legionelle pneumophila | ATCC 33152 / WDCM 00107 | >70%          | White-grey-blue-violet entire colonies with a smooth edge and a characteristic milky appearance. |

### Microbial Contamination

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

### Specification

No microbial contamination