



TECHNICAL DATA SHEET

DESCRIPTION LEGIONELLA BCYE AGAR WITHOUT L-CYSTEINE,
90MM PLATES

SGL PRODUCT CODE 8060

Buffered charcoal yeast extract (BCYE) agar without L-cysteine is a medium used to confirm the presence of *Legionella* species typically from water samples, by the inability of this medium to grow *Legionella* species. The formulation is detailed in ISO 11731.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Yeast extract	10.0 g
Activated charcoal	2.0 g
α-ketoglutarate, monopotassium salt	1.0 g
ACES buffer	10.0 g
Potassium hydroxide	2.8 g
Iron (III) pyrophosphate	0.25 g
Agar	12.0 – 17.0 g
Purified water	1000 ml

*Product may be adjusted and/or supplemented to meet performance criteria

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Opaque, black coloured agar
pH at 20-25°C	6.9 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°C for a minimum of 10 days	No growth detected
Incubation at 35-37°C for a minimum of 10 days	No growth detected
Incubation at 42-45°C for a minimum of 10 days	No growth detected



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Legionella pneumophila</i> NCTC 12821	No growth detected at 34-38°C incubation after 10 days
<i>Legionella pneumophila</i> NCTC 11192	No growth detected at 34-38°C incubation after 10 days
<i>Legionella anisa</i> ATCC 35292	No growth detected at 34-38°C incubation after 10 days
<i>Pseudomonas aeruginosa</i> ATCC 27853	Growth comparable to control at 34-38°C incubation after 24-48 hours

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

Additional specification testing may be performed as requested by the customer.

Manufactured in compliance with ISO 9001 (Ref No FM37824) and tested in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).