



TECHNICAL DATA SHEET

DESCRIPTION LEGIONELLA BCYE AGAR, 90MM PLATES
SGL PRODUCT CODE 8065

Buffered charcoal yeast extract (BCYE) agar is a medium for the isolation and cultivation of *Legionella* species typically from water samples. The formulation is detailed in ISO 11731 and ISO 11133.

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
L-cysteine hydrochloride monohydrate	0.4 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 \pm 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°C for a minimum of 7 days	No growth detected
Incubation at 35-37°C for a minimum of 7 days	No growth detected
Incubation at 42-45°C for a minimum of 7 days	No growth detected



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Legionella pneumophila</i> NCTC 12821	≥70% CFU recovery compared to control at 34-38°C incubation after 2-5 days
<i>Legionella pneumophila</i> NCTC 11192	≥70% CFU recovery compared to control at 34-38°C incubation after 2-5 days
<i>Legionella anisa</i> ATCC 35292	≥70% CFU recovery compared to control at 34-38°C incubation after 5-10 days

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).