



TECHNICAL DATA SHEET

DESCRIPTION BURKHOLDERIA CEPACIA AGAR, 90MM PLATES
SGL PRODUCT CODE 7597

A selective medium for the isolation of *Burkholderia cepacia* with the formulation specified in USP <60> Microbiological Examination of Non-sterile Products – Tests for *Burkholderia cepacia* Complex.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of animal tissue	5.0 g
Yeast Extract	4.0 g
Sodium pyruvate	7.0 g
Potassium dihydrogen phosphate	4.4 g
Disodium hydrogen phosphate	1.4 g
Bile salts	1.5 g
Ammonium sulphate	1.0 g
Magnesium sulphate	0.2 g
Ammonium ferrous sulphate	0.01 g
Phenol red	0.02 g
Crystal violet	0.001 g
Ticarcillin disodium salt	0.01 g
Gentamicin	0.005 g
Polymyxin B sulphate	150,000 IU
Agar	12.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Clear, pale orange gel
pH at 20-25°C	7.1 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°C for 5 days	No growth detected
Incubation at 35-37°C for 5 days	No growth detected
Incubation at 42-45°C for 5 days	No growth detected



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Burkholderia cepacia</i> ATCC 17759 NCTC 10661 NMT 100 CFU inoculum	>50% recovery compared to control at 35-37°C incubation after not more than 48 hours. Pigmented colonies
<i>Burkholderia cepacia</i> NCTC 10743 NMT 100 CFU inoculum	>50% recovery compared to control at 35-37°C incubation after not more than 48 hours. Pigmented colonies
<i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12903 NLT 100 CFU inoculum	<50% growth at 35-37°C incubation after not more than 48 hours.
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NLT 100 CFU inoculum	<50% growth at 35-37°C incubation after not more than 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).