



TECHNICAL DATA SHEET

DESCRIPTION NGM AGAR, 90MM PLATES
SGL PRODUCT CODE 7706

Nematode growth medium (NGM) is a medium for growth of nematode worms such as *Caenorhabditis elegans*. *E.coli* OP50 strain is grown on the agar surface to provide a food source for the *C. elegans*. *E.coli* OP50 is a slow growing strain on NGM agar in order to allow better visual detection of nematodes.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	7.5 g
Sodium chloride	3.0 g
Calcium chloride dihydrate	0.15 g
Dipotassium hydrogen phosphate anhydrous	0.58 g
Potassium dihydrogen phosphate anhydrous	2.95 g
Magnesium sulphate heptahydrate	0.25 g
Cholesterol	0.005 g
Agar	15.0 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, near colourless gel

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>Escherichia coli</i> (customer culture)	Good growth compared to control at 35-37°C incubation after not more than 1 day

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).

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