



## TECHNICAL DATA SHEET

**DESCRIPTION** MUELLER-HINTON BROTH, BOTTLED  
**SGL PRODUCT CODE** 4686

A medium used for antibiotic sensitivity testing.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Beef, dehydrated infusion from	300.0 g
Casein hydrolysate	17.5 g
Starch	1.5 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 straw coloured liquid
pH at 20-25°C	7.4 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°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>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12934 NMT 100 CFU inoculum	Evidence of growth at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NMT 100 CFU inoculum	Evidence of growth at 35-37°C incubation after not more than 1 day
<i>Enterococcus faecalis</i> ATCC 19433 NCTC 775 NMT 100 CFU inoculum	Evidence of growth at 35-37°C incubation after not more than 1 day
<i>Streptococcus pneumoniae</i> ATCC 6301 NMT 100 CFU inoculum	Evidence of growth 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).

**ISSUE 01**  
**13 FEBRUARY 2020**