



## TECHNICAL DATA SHEET

**DESCRIPTION** TBX MEDIUM, 90MM PLATES  
**SGL PRODUCT CODE** 7016

Tryptone Bile Glucuronide Agar (TBX) is a selective medium typically used for *Escherichia coli* enumeration as described in ISO 11133.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein (tryptone)	20.0 g
Bile Salts No. 3	1.5 g
X-glucuronide	0.075 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	Colourless gel
pH at 20-25°C	7.2 ± 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>Escherichia coli</i> ATCC 25922 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 43-45°C incubation after 18-24 hours. Blue/green colonies
<i>Escherichia coli</i> NCTC 13216 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 43-45°C incubation after 18-24 hours. Blue/green colonies
<i>Citrobacter freundii</i> ATCC 43864	Growth at 43-45°C incubation after 18-24 hours. White to green-beige colonies
<i>Enterococcus faecalis</i> ATCC 19433	Total inhibition at 43-45°C incubation after 18-24 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).