

Modified Soybean Casein Digest Broth

Modified Tryptic Soy Broth, m-TSB

TN 1041 500 g



Intended use

Used for the selective enrichment of *E. coli* O 157 from food samples (in accordance with § 64 LFGB German Food and Feed Code) and from faeces in accordance with DIN EN ISO 16654. Novobiocin Selective Supplement may be added.

Form

Powder

Colour

Bright beige

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Typical composition

Component	g/l
Casein peptone	17
Soya peptone	3
Sodium chloride	5
Dipotassium hydrogen phosphate	4
Glucose	2.5
Bile salts	1.5

Directions

Suspend 16.5 g in 500 ml distilled water and heat until completely dissolved. Autoclave for 15 minutes at 121 °C and cool down to 50 °C. Add Novobiocin Selective Supplement (TN 1324) according to instructions.

Final pH at 25 °C

7.4 ± 0.2

Microbiological quality control

Incubate Modified Soybean Casein Digest Broth (Modified Tryptic Soy Broth, m-TSB) aerobically for 18-24 hours at 42 ± 1 °C.

Test strain	No.	Inoculum (CFU)	Turbidity
<i>Escherichia coli</i> O157:7	ATCC 35150	10-100	clearly visible to the naked eye
<i>Escherichia coli</i> O157:7	ATCC 12900	10-100	clearly visible to the naked eye
<i>Escherichia coli</i> O157:7	laboratory strain	10-100	clearly visible to the naked eye
<i>Staphylococcus aureus</i>	ATCC 25923	100-1000	no turbidity
<i>Bacillus subtilis</i>	ATCC 6633	100-1000	no turbidity
<i>Enterococcus faecalis</i>	ATCC 19433	100-1000	no turbidity

Date of revision: 2014/03/20

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