TSC Agar (Base) acc. to ISO 15213-1

(Tryptose Sulfite Cycloserine Agar Base)

TN1268 500 g

Intended use

Used to detect *Clostridium perfringens* and other sulfite-reducing clostridia taken from foodstuffs and water.

Form

Powder

Colour

Beige

Storage

Dry, tightly closed, at 10...30 °C.

Shelf life

3 years

Typical composition	g/l
Tryptose	15.0
Soymeal peptone	5.0
Yeast extract	5.0
Sodium disulfite anhydrous (sodium metabisulfite anhydrous)	0.5
Ammonium iron (III) citrate	1.0
Agar	12.0

Directions

Suspend 19.0 g in 500 ml of distilled water and heat until completely dissolved. Sterilise by autoclaving at 121 °C for 15 minutes and cool to 50 °C. Dissolve 1 bottle TSC Selective Supplement (sifin REF TN 1333) according to directions and add to 500 ml sterile cooled base medium. Mix well and pour plates.

Final pH at 25 °C

7.6 ± 0.2

Microbiological quality control

with the addition of TSC Selective Supplement
Incubation: anaerobically, 18-22 h at 36 ± 1 °C

Test strain	CFU / plate	Recovery rate in % test vs. inoculum *)	Colony colour
Clostridium perfringens ATCC 12916 WDCM 00080	80-120	≥ 50 %	black
Clostridium perfringens ATCC 13124 WDCM 00007	80-120	≥ 50 %	black
Clostridium bifermentans ATCC 638	80-120	≥ 50 %	black
Escherichia coli ATCC 25922 WDCM 00013	10^4-10^6	≤ 0.1 %	n.a.
Escherichia coli ATCC 8739 WDCM 00012	10^4-10^6	≤ 0.1 %	n.a.

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(Tryptose Sulfite Cycloserine Agar Base)

TN1268 500 g

Microbiological quality control
with the addition of TSC Selective Supplement
Incubation: anaerobically, 18-24 h at 44 ± 1 °C

Test strain	CFU / plate	Recovery rate in % test vs. inoculum *)	Colony colour
Clostridium perfringens ATCC 12916 WDCM 00080	80-120	≥ 50 %	black
Clostridium perfringens ATCC 13124 WDCM 00007	80-120	≥ 50 %	black
Clostridium perfringens ATCC 10543 WDCM 00174	80-120	≥ 50 %	black
Bacillus subtilis ATCC 6633 WDCM 00003	10^4-10^6	≤ 0.1 %	n.a.

*) Reference medium used: Blood Agar
A recovery rate of e.g. ≥ 50 % corresponds to a productivity ratio of P_R ≥ 0.5.

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