

## TSC Agar (Base) Tryptose Sulfite Cycloserine Agar Base

TN 1241 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...25 °C.

### Shelf life

3 years

### Typical composition

Component	g/l
Tryptose	15
Soymeal peptone	5
Yeast extract	5
Sodium disulfite anhydrous (sodium metabisulfite anhydrous)	1
Ammonium iron (III) citrate	1
Agar	12

### Directions

Suspend 19.5 g in 500 ml distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes and cool down to 50 °C. Dissolve one bottle of TSC Selective Supplement (TN1333) according to instructions, 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

Incubate TSC Agar (Base) (Tryptose Sulfite Cycloserine Agar Base) anaerobically for 22-24 hours at 36 ± 1 °C.

Test strain	ATCC no.	CFU/ plate	Growth	Colony colour
<i>Clostridium perfringens</i>	12915	10-100	+	black
<i>Clostridium perfringens</i>	13124	10-100	+	black
<i>Clostridium sordelli</i>	9714	10-100	+	black
<i>Clostridium bifermentans</i>	1638	10-100	+	black
<i>Escherichia coli</i>	25922	10-100	-	n. a.
<i>Staphylococcus aureus</i>	25923	10-100	-	n. a.
<i>Proteus mirabilis</i>	29906	10-100	-	n. a.

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