

TRYPTOSE SULPHITE AGAR

Basal medium for the presumptive identification of *Clostridium perfringens*.

TYPICAL FORMULA	(g/l)
Tryptose	15.0
Soy Peptone	5.0
Yeast Extract	5.0
Ferric Ammonium Citrate	1.0
Sodium Metabisulfite	1.0
Agar	15.0
Final pH 7.6 ± 0.2	

DESCRIPTION

TRYPTOSE SULPHITE AGAR is a basal medium used for the presumptive identification of *Clostridium perfringens*.

PRINCIPLE

Tryptose and soy peptone provide nitrogen, vitamins minerals and amino acids essential for growth. Yeast extract is a rich source of B-group vitamins. Ferric ammonium citrate and sodium metabisulfite are H₂S indicators. Agar is the solidifying agent.

TECHNIQUE

Use a sterile stabbing needle to inoculate the sample into the agar surface. Incubate the tubes at 36±1°C for 24 hours.

INTERPRETATION OF RESULTS

Observe the growth of black colonies beneath the agar surface.

STORAGE

10-25°C away from light, until the expiry date on the label. Eliminate if signs of deterioration or contamination are evident.

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is intended for professional use only and must be used by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to the national and local regulations in force.

REFERENCES

1. Harmon, S.M., O.A. Kautler and J.T. Peeler (1971) Improved medium for enumeration of *Clostridium perfringens*. App. Microbiol. 22:688.
2. Haushild, A.H.W., and A. Hilsheimer (1974) Evaluation and modifications of media for enumeration of *C. perfringens*. App. Microbiol. 27:78.
3. Shedi, SA. and AR Ferguson (1971) App. Microbiol. 21:500-606.
4. ISO 7937:1997. Microbiology of food and animal feeding stuffs - Horizontal method for the detection of *Clostridium perfringens* - Colony-count technique.



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PRODUCT SPECIFICATIONS

NAME

TRYPTOSE SULPHITE AGAR

PRESENTATION

Glass tubes containing 12+/-0.5 ml of medium

STORAGE

10-25°C

PACKAGING

Ref.	Content	Packaging
26456	100 tubes x 12 ml	100 tubes in cardboard box

pH OF THE MEDIUM

7.6 ± 0.2

USE

TRYPTOSE SULPHITE AGAR is a basal medium used for the presumptive identification of *Clostridium perfringens*

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Clear amber medium

SHELFLIFE










1 year

QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control
7 days at 22 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis
- Microbiological control
Inoculum for productivity: 10-100 UFC/ml
Inoculum for specificity: ≤10⁴ UFC/ml
Incubation Conditions: 18-24 h at 36 ± 1°C

Microorganism	ATCC®	Growth	Features
<i>Clostridium sporogenes</i>	19404	Good	Black Colonies
<i>Clostridium perfringens</i>	13124	Good	Black Colonies

TABLE OF SYMBOLS

 Batch code	 Do not reuse	 Manufacturer	 Use by	 Fragile, handle with care
 Catalogue number	 Temperature limitation	 Contains sufficient for <n> tests	 Caution, consult instructions for use	



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