

TRYPTIC SOY AGAR LT 100

Medium for the determination of total microbial count in cosmetics

TYPICAL FORMULA	(g/l)
Tryptone	15.0
Soytone	5.0
Sodium Chloride	5.0
Agar	15.0
Egg Lecithin	1.0
Tween 80	5.0
Triton X 100	1.0
Final pH 7.3 ± 0.2	

DESCRIPTION

TRYPTIC SOY AGAR LT 100 is a medium for the determination of total microbial count in cosmetics.

PRINCIPLE

Tryptone and Soytone are a source of nitrogen, carbon, sulphur and other essential growing factors. Sodium chloride maintains the osmotic balance of the medium. Agar is the solidifying agent. The lecithin and Tween 80 are neutralizing agents of quaternary ammonium bases, of phenol derivatives and of aldehydes; associated with Triton X 100 allow a good dispersion of the inoculum in the medium.

TECHNIQUE

Inoculate the plates by streaking the sample to examine onto the surface of the medium using a sterile loop in order to isolate single colonies. Incubate the plates at 36±1°C for 18-48 hours.

INTERPRETATION OF RESULTS

Observe the formation of colonies.

STORAGE AND TRANSPORT CONDITIONS

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 must be used by properly trained operators only.

DISPOSAL OF WASTE

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

REFERENCES

1. Swanson, K.J., F.F. Busta, E.H. Peterson, and M.G. Johnson. (1992). Colony Count Methods, p. 75-95.
2. The United States Pharmacopeia . (1995). Microbiological tests, p. 1681-1686. The United States pharmacopeia, 23rd Ed. United States Pharmacopeial Convention, Rockville, MD.
3. ISO 9308-1:2000 Water quality - Detection and enumeration of Escherichia coli and coliform bacteria - Part 1: Membrane filtration method.



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PRODUCT SPECIFICATIONS

NAME

TRYPTIC SOY AGAR LT 100

PRESENTATION

Ready-to-use plate (90 mm) containing 22 ± 1 ml of medium

STORAGE

10-25°C

PACKAGING

Ref.	Content	Packaging
10092	20 plates	<ul style="list-style-type: none"> • 10 plates in thermally soldered film • 2 x 10 plates in cardboard box

pH OF THE MEDIUM

7.2 ± 0.2

USE

TRYPTIC SOY AGAR is a medium for the determination of total microbial count in cosmetics

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Amber medium, clear to slightly opalescent

SHELF LIFE

6 months










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
 - Incubation Conditions: 18-24 h at 36 ± 1°C, in aerobiosis

Microorganisms

Microorganisms	ATCC	Growth	Features
<i>Escherichia coli</i>	ATCC 25922	Good	Colorless colonies
<i>Staphylococcus aureus</i>	ATCC 25923	Good	White colonies
<i>Proteus mirabilis</i>	ATCC 25933	Good	Colorless colonies
<i>Enterococcus faecalis</i>	ATCC 19433	Good	White colonies

TABLE OF SYMBOLS

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



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