

LETHEEN BROTH

Liquid medium for determining the phenol coefficient of cationic surface-active materials.

TYPICAL FORMULA	(g/l)
Meat Extract	5.0
Peptone	10.0
Tween 80	5.0
Lecithin	0.7
Sodium Chloride	5.0
Final pH 7.0 ± 0.2	

DESCRIPTION

LETHEEN BROTH is a liquid medium used for determining the phenol coefficient of cationic surface-active materials. This culture medium is recommended by AOAC to verify the germicidal activity coefficients in cationic soaps.

PRINCIPLE

Meat extract and peptone are sources of carbon, nitrogen, vitamins and minerals. Tween 80 (polysorbate) and lecithin are added as surface active disinfectants neutralizing agents. Sodium chloride maintains the osmotic balance of the medium.

TECHNIQUE

Consult appropriate references for detailed information and recommended procedures.

INTERPRETATION OF RESULTS

Consult appropriate references for calculating the phenol coefficient.

STORAGE

10-25°C away from light, until the expiry date on the label or until 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 designed 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. Horwitz W. (2000) Official Methods of Analysis. AOAC International. Gaithersburg. MD. USA.
2. Atlas R.M., L.C. Parks (1993) Handbook of Microbiological Media. CRC Press, Inc. London.
3. Weber G.R., and L.A. Black (1948) Relative efficiency of quaternary inhibitors. Soap and Sanit. Chem 24:134-139.



PRODUCT SPECIFICATIONS

NAME

LETHEEN BROTH

PRESENTATION

Glass tubes containing 9 ml of medium

STORAGE

10-25°C

PACKAGING

Ref.	Content	Packaging
24170	20 x 9 ml tubes	20 tubes in cardboard box

pH OF THE MEDIUM

7.0 ± 0.2

USE

LETHEEN BROTH is a liquid medium used for determining the phenol coefficient of cationic surface-active materials. This culture medium is recommended by AOAC to verify the germicidal activity coefficients in cationic soaps.

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Appearance: clear to slightly opalescent, may have a slight precipitate
Colour: light to medium amber

SHELF LIFE

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
Incubation Conditions: 35 ± 2°C for 24-48 h

Microorganism

Microorganism	ATCC®	Growth
<i>Escherichia coli</i>	ATCC® 25922	Good
<i>Salmonella typhimurium</i>	ATCC® 14028	Good
<i>Staphylococcus aureus</i>	ATCC® 25923	Good

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 instruction for use	



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