

CASEIN PEPTONE LECITHIN POLYSORBATE BROTH BASE

Medium for the dilution of samples from pharmaceutical, cosmetic and raw material or end-products, for the purpose of enumeration.

TYPICAL FORMULA (g/L)

Peptone	20.0
Soy Lecithin	5.0
Final pH	7.2 ± 0.2

DESCRIPTION

CASEIN PEPTONE LECITHIN POLYSORBATE BROTH BASE is a dehydrated medium for the dilution of samples from pharmaceutical, cosmetic and raw material or end-products, for the purpose of enumeration.

PRINCIPLE

Peptone and Soy Lecithin provide amino acids and vitamins. Polysorbate lowers the interfacial tension around bacteria, permitting a more rapid entry of desired compounds into the bacterial cell.

PREPARATION

Suspend 25.0 g of powder in 960 mL of distilled or deionized water. Add 40 mL of Tween 20 Supplement (ref. 80032). Heat until completely dissolved. Sterilize in autoclave at 121 °C for 15 minutes.

TECHNIQUE

Inoculate the sample in the medium. Incubate at 36 ± 1°C for 18-24 hours.

STORAGE

10-30°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.
Store the prepared medium at 2-8 °C.

WARNING and PRECAUTIONS

The product is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%. The product must be used only by properly trained operators.

DISPOSAL of WASTE

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

REFERENCES

1. United States Pharmacopeia 21th ed. (1985).



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PRODUCT SPECIFICATIONS

NAME
CASEIN PEPTONE LECITHIN POLYSORBATE BROTH BASE

PRESENTATION
Dehydrated medium

STORAGE
10-30 °C

PACKAGE		
Code	Content	Packaging
610302	500 g	500 g of powder in plastic bottle

pH OF THE MEDIUM
7.2 ± 0.2

USE
CASEIN PEPTONE LECITHIN POLYSORBATE BROTH BASE is a dehydrated medium for the dilution of samples from pharmaceutical, cosmetic and raw material or end-products, for the purpose of enumeration.

TECHNIQUE
Refer to technical sheet of the product.

APPEARANCE OF THE MEDIUM
Dehydrated medium
Appearance: free-flowing, homogeneous.
Colour: beige
Prepared medium
Appearance: clear
Colour: amber

SHELF LIFE
4 years

QUALITY CONTROL









- Control of general characteristics, label and print
- Sterility control

7 days at 25 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis

- Microbiological control
Inoculum for productivity: 10-100 UFC/ml
Inoculum for selectivity: 10⁴-10⁵ UFC/ml
Inoculum for specificity: ≤ 10⁴ UFC/ml
Incubation conditions: 18-24 hours at 36 ± 1°C

Microorganisms		Growth
<i>Bacillus subtilis</i>	ATCC 6633	Good
<i>Candida albicans</i>	ATCC 10231	Fair
<i>Escherichia coli</i>	ATCC 25922	Good
<i>Staphylococcus aureus</i>	ATCC 25923	Good
<i>Pseudomonas aeruginosa</i>	ATCC 278536	Good
<i>Streptococcus pyogenes</i>	ATCC 19615	Good

TABLE OF SYMBOLS

 Manufacturer	 Batch code	 Keep away from heat	 Contains sufficient for <n> tests
 Catalogue number	 Temperature limitation	 Use by	 Caution, consult accompanying documents



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