

Neutralizing Fluid E.P.

Liquid medium for neutralizing antimicrobials, according to the European Pharmacopoeia.

TYPICAL FORMULA (g/l)

Peptone	1.0
Histidine Hydrochloride	1.0
Lecithin	3.0
Potassium Dihydrogen Phosphate	3.6
Sodium Hydrogen Phosphate Dihydrate	7.2
Sodium Chloride	4.3
Final pH 7.0 ± 0.2 at 25°C	

DESCRIPTION

Neutralizing Fluid E.P. is a liquid medium used for neutralizing the activity of antimicrobial agents.

The medium is formulated according to the European Pharmacopoeia specification for the microbiological examination of non-sterile products.

PRINCIPLE

Peptone supplies amino acids, nitrogen, carbon, minerals, vitamins and other nutrients which support the growth of microorganism. Histidine inactivates aldehydes. Lecithin neutralizes quaternary ammonium compounds. Phosphates serve as buffering agents. Sodium chloride maintains the osmotic balance of the medium.

Supplementation with polysorbate (Tween) 80 is effective against phenolic compounds and mercurial derivatives.

PREPARATION

Suspend 20.1 g of powder in 1 liter of deionized or distilled water containing 30 g of polysorbate 80 (ref. 80031). Bring to boil and shake until completely dissolved. Pour into suitable containers. Sterilize at 121°C for 15 minutes.

TECHNIQUE

Neutralizing Fluid E.P. may be incorporated into diluents or media, such as Buffered Peptone Water EP, USP (ref. 400040), preferably before sterilization.

INTERPRETATION OF RESULTS

Refer to technical sheet of the medium being used.

STORAGE AND TRANSPORT CONDITIONS

The powder is very hygroscopic, store the powder at 10-30°C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store the prepared medium at 2-8°C away from light.

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

- European Pharmacopoeia (2007) Directorate for the Quality of Medicine of the Council of Europe. 2.6.13. Microbiological examination of non-sterile products: test for specific micro-organisms. Council of Europe Strasbourg.



LIOFILCHEM® S.r.l.

Via Scozia, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY

Tel +39 0858930745 Fax +39 0858930330 Website: www.liofilchem.net E-mail: liofilchem@lioilchem.net

PRODUCT SPECIFICATIONS

NAME

Neutralizing Fluid E.P.

PRESENTATION

Dehydrated medium

STORAGE

10-30°C

PACKAGING

Ref.	Content	Packaging
610330	500 g	500 g of powder in plastic bottle
620330	100 g	100 g of powder in plastic bottle

pH OF THE MEDIUM

7.0 ± 0.2

USE

Neutralizing Fluid E.P. is a liquid medium formulated according to the European Pharmacopoeia specification for the microbiological examination of non-sterile products

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Powder medium

Appearance: free-flowing, homogeneous

Colour: beige

Ready-to-use medium

Appearance: opalescent

Colour: light amber

SHELF LIFE










4 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Microbiological control
Cultural response observed when subcultured on Tryptic Soy Agar after an incubation at 30°C for 3 hours in Neutralizing Fluid E.P.
Inoculum for productivity: 50-100 CFU
Incubation Conditions: 18-24 h at 32.5 ± 2.5°C, in aerobiosis

Microorganism		Growth
<i>Staphylococcus aureus</i>	ATCC® 6538	Good
<i>Escherichia coli</i>	ATCC® 8739	Good
<i>Pseudomonas aeruginosa</i>	ATCC® 9027	Good
<i>Bacillus subtilis</i>	ATCC® 6633	Good
<i>Salmonella typhimurium</i>	ATCC® 14028	Good
<i>Candida albicans</i>	ATCC® 10231	Good
<i>Aspergillus niger</i>	ATCC® 16404	Good

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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