

Peptone Solution + Neutralizing

Test for microbiological surface sampling with inactivation of disinfectants, according to ISO 18593.

TYPICAL FORMULA	(g/l)
Casein Peptone	1.0
Sodium Chloride	8.5
Lecithin	3.0
Sodium Thiosulfate	5.0
L-Histidine	5.0
Saponin	30.0
Polysorbate 80	30.0
Final pH 7.0 ± 0.2	

DESCRIPTION

Peptone solution + Neutralizing is a diluent used for the microbiological environmental monitoring of surfaces through swab sampling method as described by the International Standard ISO 18593. Neutralizers included in the formula allow to determine the effectiveness of sanitisation procedures in any area where residues of disinfectants are expected.

PRINCIPLE

Casein peptone is the nutrient source providing amino acids, nitrogen, carbon, minerals and vitamins. Sodium chloride maintains the osmotic balance of the medium. Lecithin neutralizes quaternary ammonium compounds. Sodium thiosulfate neutralizes halogen compounds. Histidine inactivates aldehydes. Saponin is a surfactant agent. Polysorbate 80 (Tween 80) is effective against phenolic compounds and mercurial derivatives.

TECHNIQUE

1. Take the sterile swab contained in the envelope.
2. Moisten the tip of the swab by immersing it in a tube of Peptone Solution + Neutralizing.
3. Press the tip of the swab against the wall of the tube to remove excess liquid.
4. Streak the swab on a surface (e.g. 10cm x 10cm) horizontally and vertically or even rotate the swab over any hard-to-reach area to be sampled.
5. Insert the swab in the tube containing the diluent.
6. Cap the tube and record date and the sampling point.
7. Subculture on a suitable agar medium.
8. Incubate plates at 35 ± 2°C for 18-24 hours.

INTERPRETATION OF RESULTS

Observe for the microorganism growth.

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. ISO 18593:2004 - Microbiology of food and animal feeding stuffs - Horizontal method for sampling techniques from surfaces using contact plates and swabs.



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PRODUCT SPECIFICATIONS

NAME

Peptone solution + Neutralizing

PRESENTATION

Swabs + Glass tubes containing 10 ml of medium

STORAGE

10-25°C

PACKAGING

Ref.	Content	Packaging
85400	<ul style="list-style-type: none"> • 50 x 10 ml tubes • 50 swabs 	<ul style="list-style-type: none"> • 1 double envelope containing 1 tube and 1 swab both individually packed • 50 double envelopes in cardboard box

pH OF THE MEDIUM

7.0 ± 0.2

USE

Peptone solution + Neutralizing is a liquid medium used for the microbiological environmental monitoring of surfaces through swab sampling method as described by the International Standard ISO 18593. Neutralizers including in the formula allow to determine the effectiveness of sanitisation procedures in any area where residues of disinfectants are expected.

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Appearance: clear
Colour: dark amber

SHELF LIFE

2 years

QUALITY CONTROL










- Control of general characteristics, label and print
- Sterility control
7 days at 22 ± 1°C, in aerobiosis
7 days at 35 ± 2°C, in aerobiosis
- Microbiological control
Inoculum: 10³-10⁴ CFU
Tubes are inoculated with and without the addition of disinfectants.
Subcultured immediately on Tryptic Soy Agar and after 45-65 minutes at 20-25°C
Incubation Conditions: 35 ± 2°C for 18-24 h

Microorganism

<i>Escherichia coli</i>	ATCC® 8739	± 30% colonies of original count
<i>Staphylococcus aureus</i>	ATCC® 6538	± 30% colonies of original count

Specification

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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