

## Peptone Neutralizing Solution

Collection broth for microbiological monitoring of surfaces.

TYPICAL FORMULA	(g/l)
Peptone	1.0
Sodium Chloride	8.0
Lecithin	14.0
L-Histidine	1.0
Sodium Thiosulfate	5.0
Polysorbate 80	30.0
Final pH 7.3 ± 0.2	

### DESCRIPTION

Peptone Neutralizing Solution is a liquid medium used to collect environmental samples.

While neutralizing agents allow to assess the effectiveness of sanitization procedures in areas where residual disinfectants are presumably present, peptone aids in the recovery of injured organisms.

### PRINCIPLE

Peptone provides amino acids, nitrogen, carbon and minerals. Sodium chloride maintains the osmotic balance of the medium. Lecithin neutralizes quaternary ammonium compounds. Histidine inactivates aldehydes. Sodium thiosulfate neutralizes halogen compounds. Polysorbate 80 is effective against phenolic compounds and mercurial derivatives.

### TECHNIQUE

Use of Peptone Neutralizing Solution as diluent for large area sampling:

1. Label the sample bag with sufficient detail;
2. Moisten the cloth or sponge, without using excess fluid, using the diluent if dry surfaces have to be sampled.
3. Remove the cloth or sponge from the plastic bag by using the handle or the gripping method of choice where there is no handle.
4. Sample the chosen surface in two perpendicular directions, changing the face of the cloth or sponge.
5. Return the cloth or sponge to the plastic bag.
6. Add a known volume of diluent so that the cloth or sponge will be still moist at the time of analysis, and close the bag in a manner that will ensure no leakage.
7. Clean the sampled area with an alcohol wipe.

### INTERPRETATION OF RESULTS

Transport the bag to the laboratory and examine according to methods in use.

### 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. International Standards Organization, Geneva.
2. ISO 17604:2003 - Microbiology of food and animal feeding stuffs - Carcass sampling for microbiological analysis. International Standards Organization, Geneva.



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## PRODUCT SPECIFICATIONS

### NAME

Peptone Neutralizing Solution

### PRESENTATION

Glass bottles containing liquid medium

### STORAGE

10-25°C

### PACKAGING

Ref.	Content	Packaging
401870	6 x 45 ml bottles	6 bottles in cardboard box
463160	6 x 250 ml bottles	6 bottles in cardboard box

### pH OF THE MEDIUM

7.3 ± 0.2

### USE

Peptone Neutralizing Solution is a liquid medium used to collect environmental samples

### TECHNIQUE

Refer to technical sheet of the product

### APPEARANCE OF THE MEDIUM

Clear, light amber

### SHELF LIFE










2 years

### QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control  
7 days at 22 ± 2°C, in aerobiosis  
7 days at 35 ± 2°C, in aerobiosis
- Microbiological control  
Inoculum for dilution: 10<sup>3</sup>-10<sup>4</sup> CFU  
Incubation Conditions: 20-25°C for 45-65 min

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

### 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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