

NEUTRALIZING DILUENT

(ISO 18593)

Liquid medium for neutralizing antimicrobials.

DESCRIPTION

Neutralizing Diluent is a liquid medium used for neutralizing the activity of antimicrobial agents.

PRINCIPLE

Peptone supplies amino acids, nitrogen, carbon, minerals, vitamins and other nutrients which support the growth of microorganism. Saponin and Histidine inactivate aldehydes. Lecithin neutralizes quaternary ammonium compounds. Sodium chloride maintains the osmotic balance of the medium. Polysorbate (Tween) 80 is effective against phenolic compounds and mercurial derivatives. Sodium thiosulfate neutralizes halogen compounds.

COMPOSITION	g/L
Peptone	1.0
Sodium chloride	8.5
Polysorbate (Tween 80) (*)	30.0
Lecithin	3.0
Sodium thiosulfate	5.0
L-Histidine	1.0
Saponin	30.0

Final pH 7,0 ± 0,2 at 25°C

WARNING AND PRECAUTIONS

For in vitro diagnostic use.

Observe the precautions normally taken when handling laboratory reagents.

Dehydrated medium: HIGHLY HYGROSCOPIC. During the handling, wear dust protection mask. Avoid the eye contact. Do not use beyond the expiration date or if the product shows signs of deterioration, an altered color or has compacted.

Prepared Medium: The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous.

Safety Data Sheet is available on request for professional users.

All waste must be disposed of according to local directives.

STORAGE AND STABILITY

Dehydrated medium:	10-30°C
Prepared medium:	10-25°C

The product is stable until the expiration date indicated on the label under the recommended storage conditions.

PREPARATION

Suspend 48.5 g of the powder in 1 liter of distilled or deionized water and add 30 mL of Tween 80 (* Solution included in the package). Mix well. Heat to boil shaking frequently until completely dissolved. Distribute into appropriate final containers. Sterilize in autoclave at 121°C for 15 minutes.

PROCEDURE

Homogenize the sample or its decimal dilutions in the diluent. Leave in contact at room temperature for 30 - 60 minutes. Culture onto appropriate non-selective solid agar media.

QUALITY CONTROL

Prepared medium: clear to slightly opalescent, amber solution.

REFERENCES

- ISO 18593:2018. Microbiology of food and animal feeding stuffs - Horizontal methods for sampling techniques from surfaces using contact plates and swabs.

PRESENTATION	Packaging	REF.
Dehydrated medium NEUTRALIZING DILUENT	100 g (1,27 L)	11388
Prepared medium NEUTRALIZING DILUENT	100 x 10 mL tubes 12 x 200 mL bottles	5164 63517

SYMBOLS


Read the instructions

Biological hazard

CE Mark (product complies with the requirements of Regulation (EU) 746/2017)

Temperature limitation

Use by

For in vitro diagnostic use

Manufacturer