

DEY ENGLE Y NEUTRLIZING BROTH

Broth for the neutralization and testing of antiseptics and disinfectants.

TYPICAL FORMULA	(g/l)
Enzymatic Digest of Casein	5.0
Yeast Extract	2.5
Dextrose	10.0
Sodium Thioglycollate	1.0
Sodium Thiosulfate	6.0
Sodium Bisulfite	2.5
Lecithin	7.0
Tween 80	5.0
Bromcresol Purple	0.02
Final pH 7.6 ± 0.2	

DESCRIPTION

DEY ENGLE Y NEUTRLIZING BROTH is used for the neutralization and testing of antiseptics and disinfectants.

PRINCIPLE

Enzymatic digest of casein provides nitrogen, carbon, vitamins and minerals. Yeast extract is a source of vitamins, particularly of B-group. Dextrose is the fermentable carbohydrate. Sodium thioglycollate neutralizes mercurial compounds. Sodium thiosulfate neutralizes iodine and chlorine. Sodium bisulfite neutralizes aldehydes. Lecithin neutralizes phenol, hexachlorophene, formalin and ethanol. Tween 80 neutralizes substituted phenolics. Bromcresol purple is the pH indicator to demonstrate dextrose utilization.

TECHNIQUE

Add 1 ml of disinfectant solution to be examined to one tube of DEY ENGLE Y NEUTRLIZING BROTH. Add culture as desired. Incubate tubes at 35 ± 2°C for 48 hours. Examine for growth.

INTERPRETATION OF RESULTS

Due to the high concentration of lecithin in the broth medium (which renders the medium opaque), turbidity cannot be used to detect growth. Growth is indicated by a color change of the broth from purple to yellow or by pellicle formation on the surface of the broth.

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 and must be used only by properly trained operators.

DISPOSAL OF WASTE

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

REFERENCES

- Engley, F.B., Jr. and B.P. Dey (1970) A universal neutralizing medium for antimicrobial chemicals. Presented at the Chemical Specialties Manufacturing Association (CSMA) Proceeding 56th Mid-Year Meeting.
- Downes and Ito (ed.) (2001) Compendium of method for the microbiological examination of foods, 4th ed. American Public Health Association, Washington, D.C.



LIOFILCHEM® S.r.l.

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PRODUCT SPECIFICATIONS

NAME

DEY ENGLELY NEUTRLIZING BROTH

PRESENTATION

Glass tubes containing 9 ml of medium

STORAGE

10-25°C

PACKAGING

Ref.	Content	Packaging
20076	20 tubes x 9 ml	20 tubes in cardboard box

pH OF THE MEDIUM

7.6 ± 0.2

USE

DEY ENGLELY NEUTRLIZING BROTH is used for the neutralization and testing of antiseptics and disinfectants

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Appearance: opaque, may appear flocculent upon sitting

Colour: purple

SHELF LIFE

1 year

QUALITY CONTROL










- Control of general characteristics, label and print
- Sterility control
7 days at 22 ± 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: 18-48 h at 35 ± 2°C

Microorganism

Growth

<i>Bacillus subtilis</i>	ATCC® 6633	Good
<i>Salmonella typhimurium</i>	ATCC® 14028	Good
<i>Escherichia coli</i>	ATCC® 25922	Good
<i>Staphylococcus aureus</i>	ATCC® 25923	Good
<i>Pseudomonas aeruginosa</i>	ATCC® 27853	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 instruction for use	



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