

PRODUCT INFORMATION

Your Smarter Culture Media Choice



D/E Neutralizing Broth

Cat. No. D04-115

Date of issue
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DESCRIPTION

D/E (Dey/Engley) Neutralizing Broth is used for neutralizing and determining the bactericidal activity of antiseptics and disinfectants. Tryptone and Yeast Extract provide a source of nitrogen, carbon, and vitamins. Dextrose is an energy source. Bromocresol purple is used as an indicator for the fermentation of dextrose. Sodium Thiosulfate is incorporated to neutralize chlorine and iodine. Tween 80 neutralizes phenols and formalin.

Formula* per Liter:

| | |
|-----------------------------|-------|
| Tryptone | 5.0g |
| Yeast Extract | 2.5g |
| Dextrose | 10.0g |
| Sodium Thioglycollate | 1.0g |
| Sodium Thiosulfate | 6.0g |
| Sodium Bisulfite..... | 2.5g |
| Tween 80 | 5.0g |
| Lecithin | 7.0g |
| Bromocresol Purple..... | 0.02g |

Final pH: 7.6 ± 0.2 at 25°C

* Grams per liter may be adjusted or formula supplemented to obtain desired performance.

PREPARATION

Mix 39 grams of the medium in one liter of purified water and heat to a boil with repeated stirring to dissolve completely. Distribute and autoclave at 121°C for 10 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, moist, lumpy, and bluish grey.
2. Visually the prepared medium is opaque and lavender.
3. Expected cultural response after 40-48 hours at 35°C.

Organism:

Bacillus Subtilis ATCC® 6633

Escherichia coli ATCC® 25922

Pseudomonas aeruginosa ATCC® 27853

Salmonella typhimurium ATCC® 14028

Staphylococcus aureus ATCC® 25923

Result:

Growth

Growth

Growth

Growth

Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 8°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing, or if the color has changed from the original bluish grey color.