

PRODUCT INFORMATION

D/E Neutralizing Agar

Cat. No. D04-112

DESCRIPTION

D/E (Dey/Engley) Neutralizing Agar is used for the isolation and detection of microorganisms from sanitized surfaces. D/E Neutralizing Agar is capable of neutralizing a broad spectrum of disinfectant and preservative chemicals, including quaternary ammonium compounds. It can determine the bactericidal capability of disinfectants and therefore is well suited for environmental sample.

FORMULA (g/L)

Enzymatic Digest Casein	5.0 g	Yeast Extract	2.5 g
Dextrose	10.0 g	Sodium Thioglycollate	1.0 g
Sodium Thiosulfate	6.0 g	Sodium Bisulfite	2.5 g
Tween 80	5.0 g	Lecithin	7.0 g
Agar	15.0 g	Bromocresol Purple	0.02 g

Final pH: 7.6 ± 0.2 at 25 °C

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

PREPARATION

Mix 54 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 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing with soft lumps and bluish grey to green.
2. Visually the prepared medium is opaque and purple.
3. Expected cultural response after 40-48 hours at 35 °C.

ORGANISM	RESULT
<i>Bacillus subtilis</i> ATCC 9372	Growth
<i>Escherichia coli</i> ATCC 25922	Growth
<i>Pseudomonas aeruginosa</i> ATCC 27853	Growth
<i>Salmonella typhimurium</i> ATCC 14028	Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°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 color.