THTS 715 – TRANSPORT SWABS W/ DEY-ENGLEY NEUTRALIZING AGAR (D/E AGAR DISINFECTANT TESTING)

INTENDED USE

For transportation of microorganisms from sanitized surface.

PRODUCT SUMMARY AND EXPLANATION

DEY-ENGLEY NEUTRALIZING AGAR is used for transportation of bacteriological samples from sanitized surface, without significant increase in growth. The medium is recommended for disinfectant testing where neutralizing agent is important to determine its bactericidal activity. D/E Neutralizing media neutralize higher concentrations of residual antimicrobials when compared with other standard neutralizing formulations, such as Letheen media, Thioglycollate media, and Neutralizing Buffer.

COMPOSITION

Ingredients	Gms / Ltr
Dextrose	10.000
Lecithin	7.000
Sodium thiosulphate	6.000
Casein enzymic hydrolysate	5.000
Polysorbate 80	5.000
Agar	4.000
Yeast extract	2.500
Sodium bisulphite	2.500
Sodium thioglycollate	1.000
Bromocresol purple	0.020

PRINCIPLE

This medium contains Casein enzymic hydrolysate and yeast extract provides essential nutrients. The media incorporates neutralizing substances for almost all the active products used as antiseptics and disinfectants. Sodium thioglycollate neutralizes mercurials; Sodium bisulfite neutralizes aldehydes; sodium thiosulfate neutralizes iodine and chlorine; lecithin neutralizes quaternary ammonium compounds; and polysorbate 80, a non-ionic surface-active agent, neutralizes substituted phenolics. Dextrose is the energy source and Bromcresol purple is used as a colorimetric indicator to demonstrate the production of acid from the fermentation of dextrose. Addition of dextrose and bromocresol purple aids in detection of microbial growth as the media color changes from purple to yellow due to a change in pH. Agar is a solidifying agent. Sterile swab allows the easy absorption of specimen.

Note: The specimen should be inoculated in suitable medium as soon as possible and must not be kept at room temperature for more than 24 hours. Some contaminants may also grow, if specimen is kept for longer period in transport medium.

INSTRUCTION FOR USE

1. Use the medium, provided along with the swab to collect and transport the sample.
2. Collect the sample with the sterile swab and insert the capped swab with the sample till the bottom of the medium. Tighten the cap firmly
3. The sample and viability of organism(s) will be maintained during transportation.

4. After the transportation, the specimen should be inoculated in proper medium as soon as possible.

QUALITY CONTROL SPECIFICATIONS

Appearance	:	Purple colour, clear to slightly opalescent gel
pH (at 25°C)	:	7.6± 0.2
Sterility Check	:	Passes release criteria

INTERPRETATION

Culture characteristics observed after incubation

Microorganism	ATCC	Inoculum (CFU/ml)	Recovery on SCDA	Incubation Temperature	Incubation Period
Escherichia coli	25922	50-100	Luxuriant	35-37°C	18-72 Hours
Bacillus subtilis	6633	50-100	Luxuriant	35-37°C	18-72 Hours
Salmonella Typhimurium	14028	50-100	Luxuriant	35-37°C	18-72 Hours
Pseudomonas aeruginosa	27853	50-100	Luxuriant	35-37°C	18-72 Hours
Staphylococcus aureus	25923	50-100	Luxuriant	35-37°C	18-72 Hours

PACKAGING:

In pack size of 10 No.

STORAGE

On receipt, store ready–to-use disposable swabs in the dark at 10 to 25° C. Avoid freezing and overheating. The medium may be used up to the expiration date and incubated for the recommended incubation times.

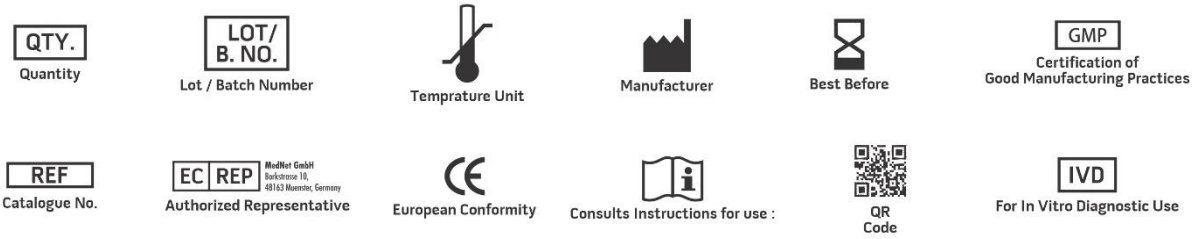
Product Deterioration: Do not use product if they show evidence of microbial contamination, discoloration, or any other signs of deterioration.

DISPOSAL

After use, prepared media, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES

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



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**

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