

THTS 341 – TRANSPORT SWABS W/ NUTRIENT AGAR

INTENDED USE

For enumeration of Enterobacteriaceae

PRODUCT SUMMARY AND EXPLANATION

TRANSPORT SWABS W/ NUTRIENT AGAR is used for transportation and preservation of bacteriological samples, especially for the members of Enterobacteriaceae, without significant increase in growth

COMPOSITION

Ingredients	Gms / Ltr
Agar	4.000
Peptone	5.000
Sodium chloride	5.000
Beef extract	1.500
Yeast extract	1.500

PRINCIPLE

This medium contains s Beef extract, Yeast extract and Peptone as sources of nitrogen, vitamins, amino acids and carbon for potential microorganism's growth. Sodium chloride ensures osmotic balance. 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 microbiological 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	:	Light yellow clear solution
pH (at 25°C)	:	7.4± 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
<i>Escherichia coli</i>	25922	50-100	Luxuriant	35-37°C	18- 72 Hours
<i>Salmonella Typhimurium</i>	14028	50-100	Luxuriant	35-37°C	18- 72 Hours



<i>Enterobacter aerogenes</i>	13048	50-100	Luxuriant	35-37°C	18- 72 Hours
<i>Shigella flexneri</i>	12011	50-100	Luxuriant	35-37°C	18- 72 Hours
<i>Klebsiella pneumoniae</i>	13883	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. MacFaddin, J.F. 1985. Media for isolation-cultivation-identification-maintenance of medical bacteria, Vol. 1, Williams and Wilkins, Baltimore.
2. Baron, E.J., Peterson, L.R. and Finegold, S.M. 1994. Bailey & Scott's diagnostic microbiology, 9th ed., Mosby-Year Book, Inc. St. Louis, MO.



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

***For Lab Use Only**
Revision: 15 March., 2022

