

THTS 420 – TRANSPORT SWABS W/ STUART TRANSPORT MEDIUM

INTENDED USE

For preservation and transport of *Neisseria* species and other fastidious organisms, like, *Haemophilus influenzae*, *Neisseria gonorrhoeae*, *Shigella flexneri*, *Streptococcus pneumoniae* etc.

PRODUCT SUMMARY AND EXPLANATION

TRANSPORT SWABS W/ STUART TRANSPORT MEDIUM is used for transportation and preservation of *Neisseria* species and other fastidious organisms. This medium was designed by Stuart for Gonococci. It is a chemically defined, non-nutrient medium suitable for transportation and preservation, without allowing significant multiplication of microbes.

COMPOSITION

Ingredients	Gms / Ltr
Sodium glycerophosphate	10.000
Agar	3.000
Sodium thioglycollate	1.000
Calcium chloride	0.100
Methylene blue	0.002

PRINCIPLE

This medium contains Calcium chloride which is added to control the permeability of the bacterial cell wall and thus prolong their survival. Less amount of Agar is added to make medium semi solid. Sodium thioglycollate suppresses oxidative changes and provides a reduced environment. Methylene blue acts as the redox indicator, the blue color indicates the presence of oxygen and it shows an adequate degree of anaerobiosis. 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	:	Colourless to whitish, slightly opalescent gel, having ~10% or less upper portion blue on standing.
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>Neisseria meningitidis</i>	13090	50-100	Luxuriant	35-37°C	18- 72 Hours
<i>Neisseria gonorrhoeae</i>	19424	50-100	Luxuriant	35-37°C	18- 72 Hours
<i>Haemophilus influenzae</i>	35056	50-100	Luxuriant	35-37°C	18- 72 Hours
<i>Streptococcus pneumoniae</i>	6303	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.

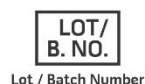
Product Deterioration: Do not use product if they show evidence of microbial contamination, discoloration, or any other signs of deterioration.

DISPOSAL

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

REFERENCES

1. Stuart, R.D. 1946. Glasgow Med. J. 27: 131-142.
2. Stuart, R.D., Toshach, S.R., Patsula, T.M. 1954. Acta. Pathol. Microbiol. Scand. 74: 371-374.
3. Stuart, R.D., Toshach, S.R., Pastula, T.M. 1954. Can. J. Public. Health. 45: 73-83.



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

***For Lab Use Only**
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