



HiCulture™ Transport Swab w/ Enteric Pathogen Transport Medium MQ5203P

Intended Use:

Recommended for transport of enteric pathogens from stool specimens.

Composition**

Proprietary

Directions

Using the capped swab, provided along with the media containing tube, collect the sample to be transported. Discard the cap of the tube and insert the capped swab with the sample till the bottom of the medium. Tighten the cap firmly. The specimen will be preserved during transportation and also the viability of the organisms will be maintained but it will diminish over the time. Some growth of contaminants may occur during longer period of transport. After the transportation, the specimen should be inoculated in proper medium as soon as possible. The cultures on transport swabs must not be kept at room temperature for more than 24 hours.

Principle And Interpretation

Enteric bacteria are Gram-negative rods with facultative anaerobic metabolism that live in the intestinal tracts of animals in health and disease. This group consists of *Escherichia coli* and its relatives, the members of the family *Enterobacteriaceae*. Enteric bacteria are related phenotypically to several other genera of bacteria such as *Pseudomonas* and *Vibrios*. The emetic illness is mediated by a highly stable toxin that survives high temperature, exposure to trypsin, pepsin and pH extremes. The diarrhoeal illness is mediated by a heat and acid labile enterotoxin. Phenol red used as an indicator. Sodium chloride maintains the osmotic balance. The phosphate buffer system prevents bacterial damage due to changes in the pH of the medium. Added glycerol serves as an additional source of energy.

Type of specimen

Clinical samples

Specimen Collection and Handling

For clinical samples follow appropriate techniques for handling specimens as per established guidelines (1,2). After use, contaminated materials must be sterilized by autoclaving before discarding.

Warning and Precautions :

In Vitro diagnostic use. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations

1. Individual strain of a microorganism may have unique growth requirements with respect to nutrients and physical conditions. Based on which the growth pattern of each varies on a medium and some even may display significant delay.
2. Some pathogenic fungi may produce infective spores which are easily dispersed in air, so examination should be carried out in safety cabinet.
3. Each lot of the medium has been tested for the organisms specified on the COA. It is recommended to users to validate the medium for any specific microorganism other than mentioned in the COA based on the user's unique requirement.
4. Further recovery from this enriched medium onto selective media is required.

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

Quality Control

Appearance

Sterile Enteric Pathogen Transport Medium in tubes with sterile cotton swabs.

Colour

Light pink coloured medium

Quantity of Medium

1.5ml of medium in tubes

Reaction

7.00- 7.40

Sterility test

Passes release criteria

Cultural response

Viability of following organisms was established for a period of 48 hours. Organisms grew luxuriantly when recovered on Tryptone Soya Agar (M290) and incubated at 35-37°C for 18-24 hours.

Organism	Recovery
<i>Escherichia coli</i> ATCC 25922 (00013*)	luxuriant
<i>Salmonella</i> Typhimurium ATCC 14028 (00031*)	luxuriant
<i>Pseudomonas aeruginosa</i> ATCC 27853 (00025*)	good-luxuriant
<i>Neisseria meningitidis</i> ATCC 13090	luxuriant
<i>Salmonella</i> Typhi ATCC 6539	luxuriant
<i>Neisseria gonorrhoeae</i> ATCC 19424	luxuriant
<i>Salmonella</i> Enteritidis ATCC 13076 (00030*)	luxuriant
<i>Enterococcus faecalis</i> ATCC 29212 (00087*)	luxuriant
<i>Escherichia coli</i> ATCC 8739 (00012*)	luxuriant
<i>Enterococcus faecium</i> ATCC 27273	luxuriant
<i>Vibrio cholerae</i> ATCC 15748	luxuriant

Key : (*) Corresponding WDCM numbers.

Storage and Shelf Life

Store between 5-25°C. Use before expiry date on the label. Product performance is best if used within stated expiry period.







Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (1,2).

Reference

1. Isenberg, (Ed.), 1992, Clinical Microbiology Procedures Handbook, Vol. I, American Society for Microbiology, Washington, D.C.
2. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.

Revision : 00/2021

	In vitro diagnostic medical device
	CE Marking
	Storage temperature
	Do not use if package is damaged
	HiMedia Laboratories Pvt. Limited, 23 Vadhani Industrial Estate, LBS Marg,Mumbai-86,MS,India
	CE Partner 4U ,Esdoornlaan 13, 3951 DB Maarn The Netherlands, www.cepartner4u.eu

Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.