

Antimicrobial Susceptibility Testing (AST) using VITEK

The VITEK is an automated system used for identification of wide variety of aerobic Gram +ve and -ve bacteria, anaerobes and yeasts. Along with identification it also provides antimicrobial susceptibility (AST) pattern and resistance detection for clinically important Gram-positive cocci like *Staphylococci*, *Enterococci*, *Streptococci* (including *S. pneumoniae*, *S. viridans* and beta-hemolytic *Streptococci*), Gram-negative bacilli belonging to *Enterobacteriaceae*, Non-fermenters and Yeasts.

Requirements from users:

1. Pure culture of bacteria on Petri plates, stabs or slants along with completed form and fee (online transfer to NCCS bank account or DD in favor of Director, NCCS).
2. Identification of culture is mandatory for running VITEK AST card.
3. Kindly write Gram nature and morphology of the strain in the VITEK-AST form along with its identity.
4. If identification of the strain is not done at your end, it will be done at NCMR using VITEK ID cards. For this, a combined quotation for VITEK ID + AST card has to be generated and paid before obtaining the service.

Data analysis and reporting:

After proper incubation of VITEK-AST cards in VITEK incubator, system will read the cards and generate reports will be sent to customer.

Time taken for analysis:

Normally it takes about 10 working days to complete these tests. However, for slow growing organisms it may take a little longer.

Contact: Service coordinator (mcc@nccs.res.in)

For more information contact:

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