OFFICE OF THE PRINCIPAL INVESTIGATOR
DBT PROJECT, DEPARTMENT OF MICROBIOLOGY
SILCHAR MEDICAL COLLEGE AND HOSPITAL, SILCHAR, ASSAM

Memo No. SMC/MICRO/.....994.....Dated.....19/11/2020.....Silchar

CORRIGENDUM

The tender Ref no: **SMC/11,755 Dated 19/10/2020** for supply and installation of **"Fully Automated Blood Culture System"** for DBT project, Department of Microbiology, SMCH, Silchar-14 has been slightly modified in the technical specifications section. Kindly go through the freshly uploaded tender.

Please keep on checking the smc website- www.smcassam.gov.in for further information

3/11/2020

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Specifications for Fully Automated Blood Culture System

Quantity required: 01

- Automated Continuous Monitoring Blood Culture System with 60-80 samples vial capacity.
- System should be true walk away with a simple user interface and touch screen operations.
- System should have continuous agitation for optimized recovery of organisms
- System should have LIS communication capability for quick result information availability.
- System should be modular and can be upgraded to 160 positions as and when required
- System should be based on sensitive fluorescence/colorimetric technology for interpretation of results.
- System must support Lab Quality Control requirements for automated analytics of Blood Volumes being received in the Microbiology Labs. These reports should be auto generated and ready to analyze and send out to Phlebotomy, Nursing and Physicians on a regular basis. (Volume checking)
- System should have enhanced visual indicators both inside and outside the instrument in the form of different colored LEDS to indicate exact station status –available, ongoing, positive, and negative & anonymous
- The culture media must have strong resin based Antibiotic Removal devices to minimize chances of false negatives due to high antibiotics in specimens and have minimal time to detection of organisms.
- The Antibiotic Removal Devices must have proven record of antibiotic neutralization at trough, mid and peak levels in the blood specimen. Proof source should be submitted.
- Instrument should have the facility for entering the patient name and sample accession number using bar code reader from a bar coded format
- System should provide the option of loading of any culture bottle anywhere without any software intervention in order to get the bottles loaded in the instrument round the clock
- The culture media should be free from substances which inhibits proper interpretation of gram-staining, hence causing any delay in critical callouts. Media should not have any masking effect for easier interpretation of Gram Staining of positive isolates.
- The system should be able to support selective growth of yeast and fungus in case of mixed infections.

- System should have Auto Quality Control and Calibration facility to avoid any manual daily maintenance. User intervention for routine QC/calibration should not be required.
- Should have special media for Paediatric samples and low volume sterile body fluid samples.
- Should have special Lytic Anaerobic Media for increased detection of partially phagocytised organisms.
- Should have special media for optimal recovery of yeast, fungi and mycobacterium from Blood samples.
- Media bottles should be fully compatible with familiar and widely used Vacutainer Holders without the need for a special adapter to improve workflow and safety.
- System should be supplied along with on line UPS with 30 minutes back-up.
- Comprehensive training of Lab staff till familiarity with the system.
- The machine should be FDA/CE/ISI approved.
- The vendor should provide three years comprehensive warranty and two years CMC after warranty period.

Certified that the specifications are broad based, general in respect to the requirement and not suit to any particular firm/brand.

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