

ANNEX 03

Automated Blood Culture System Specifications

<p>Description:</p>	<p>System should be fully automated, upgradable, walk-away, continuous monitoring and random-access system, which does continuous agitation for optimized recovery of organisms.</p> <p>System detection should be based on advanced sensitive fluorescent technology.</p>
<p>Sample capacity:</p>	<p>Minimum 40 sample positions and can be upgraded on site up to 160 samples as and when required.</p>
<p>Technical Specification:</p>	<p>System must support lab quality control requirement for automated analytics of blood volumes monitoring.</p> <p>System should have facility to generate automated reports ready to be analyzed and sent to be various departments.</p> <p>System should have more than 16 algorithms to monitor growth patterns in case of Positive samples.</p> <p>System process 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.</p> <p>System should support special resin-based media for Antibiotic Neutralization for optimized recovery from various patients those are under treatment. Antibiotic neutralization device must have a proven record of neutralization even for last resort antibiotics like carbapenems at Trough, Mid and Peak levels in the Blood specimen, proof source to be submitted.</p> <p>Instrument is having the facility to enter patient details and can scan the sample accession number using bar code reader (Feature: Accession Barcoding).</p>

	<p>System allows the user to load bottles anywhere in the system, without any software intervention in order to get the bottles loaded in the instrument round the clock.</p> <p>System allows Auto Quality Control and Calibration facility and thereby providing minimal user intervention for routine daily and weekly maintenance.</p> <p>System should support special media for processing Pediatric Samples and Low volume sterile body fluid samples.</p> <p>System should support special media for optimal recovery of yeast, fungi and mycobacterium from Blood samples.</p> <p>Instrument positive bottle supports with rapid and accurate gram stain results without any hindrance like charcoal stains in microscopic background.</p> <p>Should have special supplement for enhanced recovery from low volume sterile body fluid and special bottle for low volume pediatric samples.</p> <p>Media bottles are fully compatible with vacutainer holders without the need for a special adapter to improve blood collection workflow and safety.</p> <p>System should be capable of bi-directional interfacing with LIS/HIS (Laboratory/Hospital Information System).</p> <p>System should automatically calculate and provide TTD (Time to time detection) and Time in protocol (Time in protocol).</p> <p>System should take reading at every 10 Minute intervals.</p>
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