# Revised Technical Specifications

# Real time micro PCR

| Specification | Specification Name | Bid Requirement (Allowed Values) |
|---|---|---|
| Performance Parameters | **Capability to detect Rif resistance** | Yes Or higher |
| | **Alarm facility for any defect /false result** | Yes Or higher |
| | **Additional communicable diseases detection** | Malaria, Dengue, H1N1, HBV-VL, HCV, COVID-19 |
| Real Time PCR Platform | **Storage capacity of the system with back up facility for all test performed** | 10000.0 Or higher |
| | **Display** | LCD |
| Reaction Chamber | **No of reaction chambers provided for additional Diseases** | Not supplied |
| Diagnostic Chips | **No of Rapid Diagnostic MTB Chip supplied with system** | 50 Or higher |
| | **MTB-Rif Chip** | MTB-RIF chip to function on Real Time PCR process for the detection of Rifampicin resistance in Mcobacterium Tuberculosis(mtb) in MTB positive human specimen /culture |
| | **MTB-RIF chip should have flash memory to retain information and standard curve values for automatic quantitative determination** | Yes |
| | **The MTB-RIF chip should contain target sequence of RRDR region of the rpoB gene(between codon positions 509 and 533) representing mutation hot slots known to be related to Rifampicin resistance** | Yes |
| | **No of rapid diagnostic chips supplied with system for other diseases** | Not supplied |
| Miscellaneous Parameters | **Comprehensive Warranty** | 2, 5, 3, 4 Or higher |

## Additional Specification Parameters - Real time micro PCR

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|---|---|

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|---|---|---|
| Certification | CE-IVD/US FDA/BIS | |
| Consumable | | 1. TB Test kit - 50 tests to be supplied with the machine and rest 50 test to be supplied after 3 months.<br>2. H1N1 Test kit - 20 tests to be supplied with the machine and rest 20 test to be supplied after 3 months. |
| Warranty | | 3 years (ignore 2, 5, 3, 4 Or higher) |