

Amended Specification of 5 Part Differential Hematology analyzer after pre-bid meeting held on 09/01/2020

Tender reference no: FAAMCH/MRU/Tender/Project/285/2018/180 dtd.03/01/2020

Specification in original bidding document	Amended Specification (Indicative only)
1. It should be fully automated 5 Part differential hematology analyzer based on flow cytometry, light scattering technology.	It should be fully automated 5 part differential hematology analyzer based on flow cytometry, Light scattering technology, Electrical impedance and colorimetric method as and when necessary.
2. When diluted blood is injected into flowcell, blood cell passes through the sensing zone in a single file. A laser beam through the sensing zone is scattered by the passing cells and it is detected in three-dimensional.	No Change
3. 55 μ L or less sample aspiration for WBC 5 part differential.	No Change
4. 10 μ L/20 μ L should be measured with pre-dilution mode.	No Change
5. 10 μ L should be measured with capillary mode.	No Change
6. The system should not use any chemical for WBC Processing.	No Change
7. The system should have detectable sensitivity to Flag Blast cells.	No Change
8. The system should have the capacity to reproduce low platelet count by counting the platelet several times.	No Change
9. The system should have capillary mode for low sample volume.	No Change
10. The system should have cap piercing unit for auto sampling from vacutainers.	No Change
11. The system should have large colour TFT LCD touch screen display with 800 x 600 dots resolution or better. It should clearly display the results and allow intuitive operation of the analyzer. Data should be able to enlarge by touching them.	No Change
12. Automatic Electric Clog removal should be available.	No Change
13. System should have a software with capability to generate comprehensive	No Change

hematology report.	
14. The system should have alphanumeric patient ID setting of upto 13 digit or more.	No Change
15. The system should have option for Data storage up to 30000 samples or more by SD card.	No Change
16. The system should be stand alone without the need of any separate PC to run the system.	No Change
17. The system should have facility for WBC population count by flowcytometry 3D Analysis.	No Change
18. One kit for each basic parameter need to be supplied along with the machine to check the performance of the machine.	No Change
Parameters: 23 or more	No Change
WBC Parameters: WBC, NE%, LY%, MO%, EO%, BA%,NE#, LY#, MO#, EO#, BA#	No Change
RBC Parameters: RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD	No Change
PLT Parameters: PLT, PCT, PDW, MPV	No Change
Counting Time in Sec: Approx. 60 sec/Sample or better	Counting Time in Sec: Approx. 72 sec/Sample or better
Sample Volume (CBC+ DIFF): 55µL or less	No Change
Sample Volume (Only CBC): 30µL or less	No Change
Sample Volume (Pre-dilution): CBC:10µL/20µL	No Change
Display Spec. (approx): 800 x 600 Full Color LCD or better	No Change
User Interface: Touch panel + Hard keys	No Change
DIFF Method: Laser Optical	No Change

Additional specification: A suitable voltage stabilizer should be quoted along with the machine.