File No.1/06/ADG(Med)/CAPFs/Pathology/2012
Bharat Sarkar/Government of India
Griha Mantralaya/Ministry of Home Affairs
PM Division/Prov. I Desk
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26, Man Singh Road, Jaisalmer House
New Delhi, Dated : 02 January, 2013

To

DsG : AR (through LOAR), BSF, CISF, CRPF, ITBP, SSB, NSG & BPR&D.

Subject : QRs for Auto CD3/CD4/CD8 Flowcytometer

The QRs for Auto CD3/CD4/CD8 Flowcytometer as per Annexure has been accepted by the Competent Authority in MHA.

2. Henceforth, all the CAPFs should procure the above items required by them strictly as per the laid down Technical Specifications/QRs.

3. The trial directives for Auto CD3/CD4/CD8 Flowcytometer will be circulated later after these are revised by ADG(Medical), CAPFs and approved by the competent authority in MHA.

(R K Soni)
Section Officer (Prov.I)
Tel : 23386034

Copy forwarded to :

(i) Director, NIC, MHA : It is requested to host the QRs (soft copy attached) on the MHA website (under the page of Organizational Set up-Police Modernisation Division- Qualitative Requirements)

(ii) ADG (Medical), ITBP Campus, Tigri, New Delhi with a request to formulate the Trial Directives keeping in view the instructions issued by MHA on 13.06.2012 and forward the same to the Ministry for approval at the earliest.

Copy to :

(i) Director (Procurement), MHA
(ii) PS to JS (PM) – for information

ANNEXURE-I

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Technical Specifications/QRs of Auto CD3/CD4/CD8 Flowcytometer

1.	The system should be portable bench top flowcytometer, occupying minimum space.
2.	The Detection system should have a Green laser for high sensitivity. Emission wave length should be in the range of 500 - 750 nm. Their excitation & emission optics should be fixed aligned.
3.	The system should be capable of measuring the absolute no. of CD4/CD8 lymphocytes precisely &; accurately in whole blood samples. The system should be able to report the absolute no. of CD8 T Lymphocytes only when required.
4.	Software may preferably be provided for reporting on the same platform CD4 T Cells as a percent of total lymphocytes for paediatric patients.
5.	The optical system used in the system should not require any user alignment & it should not require any user intervention. Photomultiplier tubes should be used as part of the system for fluorescence detection.
6.	Fluidics should be such that reagents consumption is minimum.
7.	The system shall have the capacity of performing minimum 03 parameters measurement with two Florescence detectors.
8.	The System should be supplied with data station (Computer) which should be connectable and compatible with built-in printer of the machine or external printer or may have integrated/inbuilt computer with printer. It should be able to store data files for subsequent review analysis.
9.	The system should be able to work on sample volumes less than 50µl with minimal wastage.
10.	The system should preferably be upgradable
11.	Calibration check should be there.
12.	Accessories to be provided with the system a. Required Automated Pipettes of reputed company having Calibration certificate b. Vortex Mixture c. Compatible UPS with backup of at least 30 minutes.
Quality Assurance/Safety/Terms&Conditions/Training	
13.	Should be BIS/FDA/CE compliant.
14.	Certificate of calibration and inspection
15.	Quoted model should have been in use at Government/Reputed private institutions. List of user with address and phone numbers to be provided.
16.	Comprehensive warranty for two years and next 5 years CMC Charges after warranty.
17.	On site comprehensive training for the technical staff to make them familiar with the machine.

Documents	
18.	User/Technical /maintenance manuals to be supplied in English.
19.	List of equipments available for providing calibration and routine Preventive maintenance Support, as per manufacturer documentation in service/technical manual.
20.	List of important spare parts and accessories with their part number and costing.
21.	Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue, will not be considered.

Presiding officer

(Dr. V. K. Singh, DIG Coord)

Member BSF

Member CRPF

(Dr. Damodhar Garg, CDSO/Pathology CRPF)

Member ITBP

(Dr. B. C. Barbar, Ex IG Pathologist (Contractual))

Member SSB

(Dr. R. K. Nigam, INS (SG), SSB)

Co-opted member