



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA
JODHPUR ROMANA, MANDI DABWALI ROAD, BATHINDA, PUNJAB, 151001
ਅਖਿਲ ਭਾਰਤੀ ਆਯੁਰਵਿਗਿਆਨ ਸੰਸਥਾਨ, ਬਠਿੰਡਾ ਅਖਿਲ ਭਾਰਤੀ ਆਯੁਰਵਿਗਿਆਨ ਸੰਸਥਾਨ, ਬਠਿੰਡਾ

PROCUREMENT CELL



No. AIIMS Bathinda/Procurement/NOC/1875

5 Apr 2023

Subject: Purchase of "Flow Cytometer" on Proprietary basis- Inviting Comments thereon.

The request received from Department of Pathology & Lab Medicine, AIIMS Bathinda for the procurement of captioned Item from M/s Becton Dickinson India Pvt Ltd, 5th & 6th Floor, Signature Tower B, South City I, Gurgaon – 122001 Indian Subsidiary of **M/s Becton Dickinson & Co., BD Biosciences, USA** - on Proprietary basis.

The Notice is being uploaded for general information of Aspirant Manufacturer/Dealer/Distributor to submit their objections/proposal, if any, on proprietorship of this item.

In case, the product of any Manufacturer/Authorized distributor/dealer conforms to the enclosed specifications, they may submit their proposal for the supply same Equipment along with the following: -

- (a) Equipment brochure
- (b) Point-by-Point compliance of the enclosed specifications, along with all relevant documentary evidence:

The objection/proposal should be sent in sealed cover to the **OIC, Procurement Cell, First Floor, C-Block, Admin. Building, AIIMS Bathinda, Mandi Dabwali Road, Bathinda - 151001** so as to reach on or before **20 Apr 2023 up to 12:00 PM.**, failing which it will be presumed that no any other vendor is interested to offer comments/protest and case will be decided accordingly on its **merit**.

The reference number should be super scribed on sealed envelope.

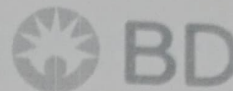
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5-4-23

OIC, Procurement Cell

- Enclosed: 1. PAC Certificate
2. Authorization Letter
3. Technical Specifications

1. PAC Certificate

BD Biosciences
2350 Quime Drive
San Jose, CA 95131
Tel: 408.432.9475
Fax: 408.954.2347
www.bd.com



PROPRIETARY ARTICLE CERTIFICATE

Date: April 15, 2020

(Equipment)

This is to certify that the BD FACSLyric is a proprietary system of Becton Dickinson & Co. U.S.A., and Becton Dickinson & Co. U.S.A. its sole manufacturer. To our knowledge, no other vendor or manufacturer can offer a solution that meets all of the features of the BD FACSLyric system.

Below are some of the proprietary features (and associated patents) of the BD FACSLyric system:

1. Designed with beam-adjusting optics used to electro-mechanically adjust the location of the laser beam directed at the flow stream. The fine control over the focus spot is critical to ensure that the beam is centered on the flow cytometer's flow-stream core. (US Patent No: 7,787,197)
2. A patented vacuum-driven fluidics system and pressure sensor configured to dynamically measure the pressure drop across the flow cell to ensure a constant flow rate. (US Patent No: 8,528,427)
3. Patented gel-coupled collection lens and reflective detection optics arranged polygonal optical pathways to maximize signal detection and increase sensitivity and resolution, coupled with memory-chips on the optical filter holder to allow the instrument to access the current optical configuration. (US Patent No: 6,510,007; 6,683,314; 6,809,804; 7,129,505)
4. Compatible with BD patented Cytometer Setup and Tracking (CS&T) technology for detailed instrument performance tracking and standardization of fluorescent detection and capable of recalculating compensation after changing detector gain without the need to analyze additional samples (US Patent No: 6,897,954; 8,865,470).

Sincerely,

Meera Kotlar

For Becton Dickinson and Company
Meera Kotlar
Sr. International Regulatory Affairs Specialist,
Becton Dickinson & Company, BD Biosciences,
2350 Quime Drive, San Jose, CA 95131, USA

Meera Kotlar
Assistant Professor
Department of Pathology
AIIMS, Bathinda

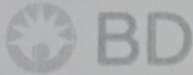
Becton, Dickinson and Company

Dr. Gargi Kapatia
DR. GARGI KAPATIA
Assistant Professor
Dept. of Pathology & Lab Medicine
AIIMS Bathinda

2. Authorization Letter

Becton Dickinson India Pvt. Ltd.
Head Office: 5th & 6th Floor,
Signature Tower B, South City I,
Gurgaon - 122001, Haryana, India
tel : +91-124-3949390
fax : +91-124-2383224/5/6

Regd. Office : 204, Tolstoy House,
15, Tolstoy Marg, New Delhi- 110001 INDIA
CIN: U74899DL1995PTC064117
www.bd.com/india



Date: 7th December 2022

TO WHOMSO EVER IT AMY CONCERN

Subject: Deemed OEM Authorization

Dear Sir,

We, M/S Becton Dickinson India Pvt Ltd, an Indian subsidiary of Becton Dickinson & Co., BD Biosciences, USA, (The Manufacturer), We are participating in the tender directly and will perform all contractual obligations ourselves.

In case of any clarifications, please feel free to contact us for any query

For BECTON DICKINSON INDIA PVT. LTD.



Vijay Thakur
Sales Manager - BDB
BD Life Sciences

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Dr. Manjit Kaur Rana
Additional Professor
Department of Pathology
A.P.S. Bathinda

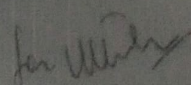
Dr. GARGI KAPATIA
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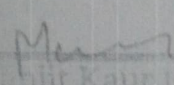
Advancing the world of health

3. Technical Specifications

Technical Specifications

1. The system must be equipped with 3 solid state lasers (488nm Blue & 633-642nm Red) having a minimum 12 fluorescence parameter output. All the lasers & detectors should be fixed aligned for data consistency and reliability on a day-to-day basis.
2. The system should be US-FDA / CE-IVD (IVDR) complied for all colours for clinical reporting and should have US-FDA/CE-IVD approved template for clinical reporting of assay like CD4/CD8 and CD34 (Stem Cell Enumeration.)
3. The equipment should have dedicated beam-spots for each laser. All the fluorescence detector channels, and side scatter channel must be designed with photo multiplier tube (PMT) for voltage optimization with stabilized CV & minimal electronic noise contribution for achieving best resolution even for dimly stained population.
4. Pulse Height, Area, and Width information available for all parameters simultaneously to be able to discriminate doublets based on size, granularity & nucleic acid content.
5. Digital signal processing should allow threshold to be set on all available channels simultaneously in any combination of all available parameters during sample acquisition.
6. For high throughput, the analysis speed should be at least 30000 events per second or better with all the parameters available. The system apart from offering low, medium & high flow rates, should also offer high sensitivity fluidics aspiration mode, which can result in higher fluorescence signal resolution for dim stained population.
7. The System should have sample carry over of <0.1% or better with cells for rare cell populations discovery and novel marker identification.
8. The system generated compensation should be valid for a minimum of 60days and updated with daily QC. The system software should be able to do single fluorochrome addition to an existing setting from panel of reagents and recalculate the spillover matrix by running a single tube.
9. The system should also allow parallel data acquisition & analysis from two different experiment.
10. This system must be capable of standardization and collaboration between inter-lab/intra-lab through assay portability feature to maintain consistency in data quality.
11. Instrument software must be capable of exporting data as FCS file per population. In addition, system software must allow data overlay of tubes in the same experiment & different experiment.


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12. The instrument should support bi-directional LIS connectivity to eliminate transcription errors.
13. The system should be in a single tube acquisition format & upgradable in future to universal plate and tube loader platform which can accommodate minimum 30/40 tubes rack as well as 96 & 384 well plates directly for complete walk away automation.
14. A detailed list of various single-color makers and IVD approved kit for CD4/CD8 & Stem Cell Enumeration Assay along with their current list prices should be quoted.
15. The system should be offered with suitable workstation and UPS having minimum of 30mins backup.

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for

Dr. Manjit Kaur Rana
Additional Professor
Department of Pathology
AIIMS, Bathinda

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Assistant Professor
Dept. of Pathology & Lab Medicine
AIIMS Bathinda

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(specification of Consumables)

	Description of reagents	Quantity
1.	Consumables	
a)	BD™ CS&T BEADS 150 Tests	1 Kit (150 tests)
b)	BD™ FC Beads 7- Color Kit – IVD	1 Kit (5 tests)
c)	BD FC Beads 2- Color Kit – IVD	1 Kit (5 tests)
d)	BD FC Beads 5- Color Kit – IVD	1 Kit (5 tests)
e)	FACS Tubes(3 rd party Item)	1 Kit
f)	FACS Lyse	1 Kit (100 ml)
g)	FACS Flow	1 Kit (20 ml L)
h)	FACS Clean	1 Kit (5 L)
i)	Rainbow QC Beads	1 Kit (5 ml)
j)	FC, Beads BV711	1 Kit
k)	FC, Beads BV786	1 Kit

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Manj

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