

List of Correspondences							
Receipt No. / Issue No.	Subject	Type	Marked As	Attached On	Issued On	Pages	Remarks
2106519/2025/Research Section	AIIMS Website	Receipt		08/08/2025 04:15 PM		39-41	.
2106476/2025/Research Section	PAC Draft signed	Receipt		08/08/2025 04:07 PM		38-38	.
2099918/2025/Research Section	PAC Draft	Receipt		05/08/2025 11:20 AM		37-37	.
2094784/2025/BIOTECHNOLOGY	Submission of TSEC Meeting documents for purchase of "High Throughput Sinsle Cell Capture and Analysis svstem"	Receipt		01/08/2025 11:12 AM		1-36	Attachment

To  
**Dean (Research)**  
 All India Institute of Medical Sciences (AIIMS)  
 New Delhi

**Dated: 30.07.2025**

**Subject: Submission of TSEC Meeting documents for purchase of "High Throughput Single Cell Capture and Analysis system"**

**Project Code: I-1789**

Dear Sir,

I am writing to kindly bring to your attention the details of the Technical Specifications and Evaluation Committee (TSEC) meeting conducted for the above-mentioned project, funded by the Indian Council of Medical Research (ICMR).

The meeting was held on Friday, July 22, 2025, at 10:30 AM in the Seminar Room, Second Floor, Department of Biotechnology, AIIMS, New Delhi. The agenda of the meeting was to finalize the technical specifications of **High Throughput Single Cell Capture and Analysis system** for proposed high-value equipment procurement under the project (within the approved budget of ₹1.23 Crores).

The committee reviewed all proposed specifications in detail and approved them with minor modifications. All the changes were incorporated. The specifications are aligned with the project goals and scientific requirements. It was resolved that the PI may proceed to float tenders/e-procurement as per the institutional rules.

In compliance with institutional requirements, I hereby submit the meeting documentation for onward transmission to the **Store and Accounts Sections** for necessary processing.

**Attachments:**

1. Specification for High Throughput Single Cell Capture and Analysis system
2. Minutes of TSEC
3. Undertaking for General Specifications
4. TSEC attendance sheet
5. Fall Clause Certificate
6. Proprietary Article certificate (PAC)
7. Proprietary certificate from Agilent with US and Europe Patent
8. Quotation
9. Non-Blacklisted Declaration
10. Rate Reasonability certificate
11. BD Indian Subsidy
12. GEM not ability certificate
13. Old PO
14. BD Rhapsody HT brochure
15. ICMR project fund ability document

Thanks



 **डॉ. रुपेश कुमार श्रीवास्तव/Dr. RUPESH KUMAR SRIVASTAVA**  
 अपर आचार्य / Additional Professor  
 जैव प्रौद्योगिकी विभाग / Dept. of Biotechnology  
 अ. मा. आ. सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

**(Dr. Rupesh K. Srivastava)**

Additional Professor

Room 202, Department of Biotechnology

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## All India Institute of Medical Sciences (AIIMS), New Delhi

### Department of Biotechnology

#### **Minutes of the Technical Specifications and Evaluation Committee (TSEC) Meeting for High Throughput Single Cell Capture and Analysis system**

*"Investigating the Diagnostic Potential of Gut-Associated Metabolites in Post-Menopausal Osteoporotic Women and Exploring Their Therapeutic Potential in Pre-Clinical Model of Osteoporosis: An Osteoimmunological Approach".* Funding Agency: Indian Council of Medical Research ICMR funded project (F. No. EMDR/IG/13/2024-01-00842, Project code: I-1789)

Meeting was held on Friday, July 22, 2025, Time: 10:30 AM at Seminar Room, Second Floor, Department of Biotechnology, AIIMS, New Delhi

**Purpose:** Finalization of technical specifications of **High Throughput Single Cell Capture and Analysis system** for proposed high-value equipment procurement under the project (within the approved budget of (Estimated Cost INR 1.23 Crores).


The committee reviewed all proposed specifications in detail and approved them with minor modifications. All the changes were incorporated. The specifications are aligned with the project goals and scientific requirements. It was resolved that the PI may proceed to float tenders/e-procurement as per the institutional rules.

  
 डॉ. रुपेश कुमार शर्मा / Dr. RUPESH KUMAR SHARMA  
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 Dr. Angel Rajan Singh  
 अपर आचार्य - अस्पताल प्रशासन  
 Additional Professor - Hospital Administration  
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 All India Institute of Medical Sciences, New Delhi

  
 डॉ. अमिता बाली / Dr. Amita Bali  
 निदेशक (पी) / Director General (P)  
 कुसुमा विद्यापीठ / Kusuma School  
 भारतीय प्रौद्योगिकी संस्थान, नई दिल्ली  
 Indian Institute of Technology Delhi  
 New Delhi-110016 (India)



**Technical specification for High Throughput Single Cell Capture and Analysis system****(Estimated Cost INR 1.23 Crores)**

1. Single cell capture and analysis system should use micro-well technology for parallel partitioning of 100 to 8,00,000 or more cells for analysis in a single run. It should be easy to use, clog-free, and should require minimal maintenance.
2. The system workflow should include a mechanism for unique barcoding that enables digital quantification of expressed RNA and protein in an individual cell.
3. The system should support 8 parallel lanes on a single cartridge containing micro-wells. The cartridge design must be flexible to support partial use in any combination of up to 8 lanes for processing samples together or at different time points to save cost.
4. The system workflow must have the compatibility to perform multi-omic analysis by combining whole Transcriptome Analysis (WTA), Antibody (Ab-Oligo) conjugates, TCR, BCR, immune repertoire analysis, Antibody-oligonucleotide (Ab-Oligo) conjugate, single cell ATAC-seq, sample multiplexing, etc. The manufacturer must be able to supply customized targeted transcriptomic analysis (TTA) panels and Ab-Oligo conjugates.
5. The system workflow must have the compatibility to perform multi-omic analysis by combining whole Transcriptome Analysis (WTA) or targeted Transcriptome Analysis (TTA) with TCR and BCR immune repertoire analysis and antibody-oligonucleotide (Ab-Oligo) conjugates together enabling simultaneous detection of mRNA expression, protein, TCR and BCR immune repertoire analysis on a single cell.
6. The system workflow must support sample multiplexing of up to 192 different samples and enable high sample throughput (analysis of 100-8,00,000 cells or more in parallel) as per experimental need.
7. The system workflow must support loading and analysis of as low as 100 cells for multi-omic analysis.
8. The system should be able to capture a variety of cells in the size range of 5-40  $\mu\text{m}$ .
9. The system capability should go with a capture efficiency of 80% or more. The capturing mechanism should allow the gentle handling of fragile cells like neutrophils.
10. The system should ensure a minimum doublet of beads and cells.
11. The system must include a cartridge/chip scanner for visual QC across the single-cell capture workflow.
12. Scanner should perform cell counting through brightfield and dual-band fluorescence imaging.
13. It should be able to show the complete image of the cartridge/ chip for cell count, viability measurements of the cell sample, cell capture efficiency and detection of multiplets to help optimise the sequencing requirement.
14. It should be provided with a benchtop flow cytometer (for downstream analysis) with the following specifications:
  - i. System should be a latest benchtop Flow Cytometer suitable for research applications with at least 4 lasers, including 405 nm: Violet Laser; 488 nm: Blue Laser; 637 nm: Red Laser; 561 nm: Yellow Green Laser.
  - ii. All lasers should have 90mW or higher laser power & should have the capability to simultaneously detect at least 16 or more colours & 18 parameters, including FSC and SSC.




- iii. The system should have an option of one additional parameter for the small particle detector module to enable separation of particles of size at least 90 nm or lower from noise for small particle research, such as investigation of extracellular vesicles.
  - iv. The system should have an acquisition rate of at least 25,000 events per second.
  - v. Pulse Height, Area, and Width information should be available for all parameters simultaneously to be able to discriminate doublets based on size, granularity & fluorescence signals (like nucleic acid content, etc.)
  - vi. One unit of a compatible offline workstation with at least a 32" Monitor must be provided with high-dimensional data analysis software (including 02 nos. of Dongles for latest FlowJo version)
15. The prices for the reagents and kits to be used in the workflow, including any future kits, should be fixed for the next 5 years [ANNEXURE I].

16. **Additional conditions to be fulfilled:**

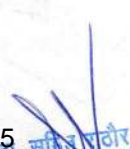
- i. The manufacturer should provide a comprehensive warranty of **03 (three) years (including all spares, labour and any software upgradation)** from the date of the installation certificate issued by the end user.
- ii. The rates for the Comprehensive Annual Maintenance Contract (CAMC) (including all spares, labour and any software upgradation) from the 4th to the 10th year should be provided.
- iii. A compatible online UPS with at least 60 minutes of backup should be provided.
- iv. There should be at least **05 installations** of the system in the country, and the Principal company should have been operational in India for sales and after-sales support (service and training) for at least 5 years.
- v. The equipment should be installed and validated by the service engineer designated by the principal company.
- vi. On-site Application training should be provided, at least twice each year, for the first 03 years.
- vii. On-site technical support should be provided from start to end of each experiment (including planning, execution and data analysis) for a minimum of 3 years.
- viii. The supplier should have a training and application centre available in India, for carrying out training and help with troubleshooting.
- ix. The delivery date as stipulated should be strictly adhered to, failing which the institute reserves the right to refuse the supplies. The extension of the delivery date, if required, should be obtained before the expected delivery date.
- x. STANDARD clauses as applicable for all equipment procurement at AIIMS, New Delhi, including testimonials from users, standard down-time clause of 15 days; penalty to be added as extension of warranty.

  
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 Ministry of Health & Family Welfare  
 Government of India

  
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 All India Institute of Medical Sciences, New Delhi-110029

  
**Dr. SWINDER SINGH MARAS**  
 Associate Professor  
 Cellular & Tissue Sciences  
 All India Institute of Medical Sciences, New Delhi-110029



Material	Description
553142	Mouse BD Fc Block
554656	BD™ Stain Buffer (FBS) 500 mL
564220	Human BD Fc Block™ 0.25mg
564904	DRAQ7
570742	BD Rhapsody™ Intracellular AbSeq Buffer kit
570750	BD® AbSeq Enhancer Kit
570751	BD® RNase Inhibitor
570908	BD® OMICS-Guard Sample Preservation Buffer Kit
570911	BD® OMICS-Guard Sample Preservation Buffer
571201	BD Rhapsody™ ATAC-Seq Tagmentation and Supplemental Reagents Kit
571356	Rhapsody ATAC SA Amplification Kit
571361	BD Rhapsody™ Multiomic ATAC-Seq Amplification Kit
571899	BD Omics-One Dual Index Kit
571970	BD® OMICS-One Immune Profiler Protein Panel
572178	BD® OMICS-One T-cell Protein Panel
572179	BD® OMICS-One B-Cell Protein Panel
572310	BD® OMICS-One Tumor Protein Panel
625970	BD® AbSeq Immune Discovery Panel
633750	Rhapsody Immune Response Panel HS
633751	Rhapsody Tcell Expression Panel HS
633752	Rhapsody Onco-BC Panel HS
633753	Rhapsody Immune Response Panel Mm
633773	Rhapsody cDNA Kit
633781	Hu Single Cell Sample Multiplexing Kit
633793	Ms Single Cell Sample Multiplexing Kit
633801	BD Rhapsody WTA Amplification Kit
633849	BD® Flex Single-Cell Multiplexing Kit A
633850	BD® Flex Single-Cell Multiplexing Kit B
633851	BD® Flex Single-Cell Multiplexing Kit C
633852	BD® Flex Single-Cell Multiplexing Kit D
666262	Rhapsody 8 Lane Cartridge
666619	Rhapsody Targeted mRNA AbSeq Kit 8 Pack
666620	BD Rhapsody WTA Reagent Kit 8 Pack
667052	BD Rhapsody™ Enhanced Cartridge Reagent Kit V3
667399	BD Rhapsody™ TCR/BCR Next Multiomic Assay for Targeted – 8 Pack
667400	BD Rhapsody™ TCR/BCR Next Multiomic Assay for WTA – 8 Pack
667401	BD Rhapsody™ Mouse TCR/BCR Next Assay for Targeted – 8 Pack
667402	BD Rhapsody™ Mouse TCR/BCR Next Assay for WTA – 8 Pack
	BD Abseq Oligos (including Cat# 940063, 940255, 940264, 940081, 940020, 940282, 940074, 940057, 940220, 940051, 940098, 940019, 940061, etc.)

डॉ. अमिता बाकी *Dr. Amita B.*  
 ज. महानिदेशक (क.) *Deputy Director General (F*  
 स्वास्थ्य सेवा *Health Services*  
 स्वास्थ्य एवं परिवार कल्याण मंत्रालय *Ministry of Health & Family Welfare*  
 भारत सरकार *Govt. of India*  
 नया दिल्ली *New Delhi*

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**DEPARTMENT OF BIOTECHNOLOGY**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES**  
 ANSARI NAGAR, NEW DELHI

**To whom it may concern**

This is to certify that the enclosed specification of High Throughput Single-Cell Capture and Analysis System (BD Rhapsody™) is proprietary item. Pre-installation requirement such as site, power, water, space, manpower etc. are available in the Project investigator lab.

  
 डॉ. भूपेन्द्र कुमार वर्मा / Dr. BHUPENDRA KUMAR VERMA  
 अतिरिक्त प्राध्यापक / Additional Professor  
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 जैव रसायन विज्ञान विभाग  
 Department of Biochemistry  
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 AIIMS, Ansari Nagar

  
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 Additional Professor - Hospital Administration  
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 All India Institute of Medical Sciences, New Delhi

  
 डॉ. शिल्पी मिनोचा  
 Dr. Shilpi Minocha  
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 Kusuma School of Biological Sciences

**DEPARTMENT OF BIOTECHNOLOGY  
ALL INDIA INSTITUTE OF MEDICAL SCIENCES**

Ansari Nagar, New Delhi – 110029

Dated: 22/07/2025




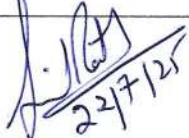
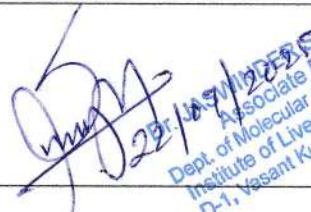

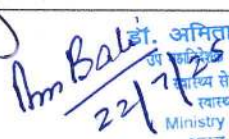
A meeting of the Technical Specification Committee is scheduled as follows:

**Date:** 22/07/2025 (Tuesday)

**Time:** 10:30 AM

**Venue:** Seminar Room, Second Floor, Department of Biotechnology, AIIMS, New Delhi – 110029

All concerned committee members are requested to attend the meeting on time to discuss and finalize the technical specifications for the proposed procurement of High Throughput Single Cell Capture and Analysis System.

	Name	Signature
1.	<b>Dr. Rupesh Kumar Srivastava</b> , Additional Professor, Department of Biotechnology (Chairman)	
2.	<b>Dr. Bhupendra Kumar Verma</b> , Additional Professor, (HOD, Nominee)	
3.	<b>Dr. Angel Ranjan</b> , Additional Professor, Hospital Administration, AIIMS, Ansari Nagar, New Delhi (M.S Nominee (Member))	
4.	<b>Dr. Kalpana Luthra</b> , Professor & Head, Department of Biochemistry, AIIMS, Ansari Nagar, New Delhi (Member)	
5.	<b>Dr. Sumit Rathore</b> , Associate Professor, Department of Biotechnology, Member (store In-charge)	
6.	<b>Dr. Jaswinder Singh Maras</b> , Associate Professor, Department of Molecular and Cellular Medicine, Institute of Liver and Biliary Science, New Delhi (External Expert)	 Dr. JASWINDER SINGH MARAS Associate Professor Dept. of Molecular & Cellular Medicine Institute of Liver & Biliary Sciences D-1, Vasant Kunj, New Delhi-110070
7.	<b>Dr. Shilpi Minocha</b> , Assistant Professor, Kusuma School of Biological Sciences, INDIAN INSTITUTE OF TECHNOLOGY DELHI, Hauz Khas, New Delhi-110016, INDIA (External Expert)	
8.	<b>Dr. Amita Bali</b> , CMO, (SAG)-DDG (P), Dte. (DGHS Nominee)	 Dr. अमिता बाली / Dr. Amita Bali असिस्टेंट डायरेक्टर (सी.) / Deputy Director General (P) स्वास्थ्य सेवा मंत्रालय / Dte. G.H.S. स्वास्थ्य एवं परिवार कल्याण मंत्रालय Ministry of Health & Family Welfare भारत सरकार / Govt. of India

**Chairman**

(Technical Specification Committee)



# ALL INDIA INSTITUTE OF MEDICAL SCIENCES ANSARI NAGAR, NEW DELHI – 110 029

## Proprietary Article Certificate (PAC) (For Spare/Consumables etc.)

1.	The indented goods are manufactured by M/s	:	Becton Dickinson & Co. USA
2.	Item Name	:	BD Rhapsody™ Single-Cell Analysis System
3.	Model/Part/Catalogue No.	:	666625- Rhapsody HT express Package 633701- Rhapsody Scanner
4.	Reasons/Justification which makes the requirement Proprietary##		Only platform available with Microwell based technology for loading of cells based on Poisson effect that results in minimum doublet occurrence and allows visual QC of cell loading, viability count and single cell frequency. This is the only technology to work for rare cell populations, granulocytes, lymphocytes etc. Supports Targeted WTA assays, Whole WTA assays, CITE-seq assays, ATAC sequencing.

1. It is certified that market survey has been done and found that no other manufacturer is manufacturing similar / equipment specifications which can fulfill the vital requirements of end user.

2. It is certified that the purchase is proposed to be made on proprietary usage basis because any other material/equipment/instrument/Chemical etc. if used will lead to deviation and affect the integrity/accuracy, validity or analysis of the assignment/patient care.

##Note: 1.: TSEC should clearly mention the vital functional parameters requirements which end user essentially require and are manufactured by only one manufacturer mentioned in serial no.1.

Signature of Indenter  
(Demanding Officer)

डॉ. एंजेल राजन सिंह  
Dr. Angel Rajan Singh  
अपर आचार्य - अस्पताल प्रशासन  
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All India Institute of Medical Sciences, New Delhi

डॉ. सुनील राय (Counter Signed)  
(Head of the Department/PT)  
जैव प्रौद्योगिकी विभाग/Dept. of Biotechnology  
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डॉ. अमिता बाली/Dr. Amita Balia  
उप महानिदेशक (बी.)/Deputy Director (Genral B)  
स्वास्थ्य सेवा महानिदेशालय, ग्रे. उ. ह. स.  
स्वास्थ्य एवं परिवार कल्याण मंत्रालय  
Ministry of Health & Family Welfare  
भारत सरकार/Govt. of India  
नर्मदा बाग, नई दिल्ली, New Delhi

डॉ. सुमित राय/Dr. SUMIT RATHORE

30 Tuas Avenue 2  
Singapore 639461  
tel: 65 6861 0633  
fax: 65 6860 1593  
www.bd.com



Date: 17<sup>th</sup> December, 2019

**To Whom It May Concern**

**PROPRIETARY CERTIFICATE**

This is to certify that the **BD Rhapsody product family** are proprietary systems of Becton Dickinson & Co. U.S.A., and Becton Dickinson & Co. U.S.A is its sole manufacturer. To our knowledge, no other vendor or manufacturer can commercially offer a solution that can meet all the features of the **BD Rhapsody** system. Only Becton Dickinson & Co and/or Becton Dickinson India Pvt. Ltd. can supply the system in the Indian Subcontinent.

Below are some of the proprietary features (and associated patents, where applicable) of the BD Rhapsody system:

1. Digital counting of individual molecules by stochastic attachment of diverse labels.  
**US Patent No: US8835358B2**
2. Massively parallel single cell analysis (multiplex nucleic acid analysis of single cells).  
**US Patent No: US9567645B2**
3. Microwell based technology for loading cells based on Poisson statistics that result in minimal doublet occurrence, with an optically clear device to allow QC of the loading efficiency (cell count and single cell frequency) and sample viability using an imaging device (BD Rhapsody Scanner).
4. Sample workflow enables sub-sampling (aliquoting) and archiving of the barcoded samples.
5. Supports targeted RNA sequencing as well as Whole Transcriptome Assays (WTA).

Becton Dickinson India Pvt. Ltd is 100% subsidiary of Becton Dickinson & Co.

**For Becton Dickinson & Company**

**Darren Ellemor**

**Associate Director, Research Solutions, BD Biosciences Greater Asia**

Becton Dickinson Holdings Pte. Ltd.

**डॉ. एजल राजन सिंह**  
**Dr. Angel Rajan Singh**  
अपर आयुर्विज्ञान विभाग / अपर आयुर्विज्ञान विभाग  
Additional Professor - Hospital Administration  
अखिल भारतीय आयुर्विज्ञान संस्थान, नई दिल्ली  
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**Dr. Jaswinder Singh Maras**  
Associate Professor  
Dept. of Molecular & Cellular Medicines  
Institute of Liver & Biliary Sciences  
D-1, Vasant Kunj, New Delhi-110070

**डॉ. सुमित राठौर**  
**Dr. Sumit Rathore**  
सह-आचार्य / Associate Professor  
जैव प्रौद्योगिकी विभाग / Dept. of Biotechnology  
अ.भा.आ.सं., अंशुमती नगर, दिल्ली-110070  
AIIMS Anshu

**डॉ. कल्पना लुथरा**  
**Dr. Kalpana Luthra**  
आचार्य एवं अध्यक्ष / Professor & Head  
जैव रसायन विभाग / Department of Biochemistry  
अखिल भारतीय आयुर्विज्ञान संस्थान, नई दिल्ली  
All India Institute of Medical Sciences, New Delhi

**डॉ. अमिता बाली**  
**Dr. Amita Bali**  
उप महानिदेशक (डी.) / Deputy Director General (P)  
स्वास्थ्य सेवा महानिदेशालय / Dir. G.H.S.  
स्वास्थ्य एवं परिवार कल्याण विभाग / Health & Family Welfare  
अखिल भारतीय आयुर्विज्ञान संस्थान, नई दिल्ली  
All India Institute of Medical Sciences, New Delhi



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fax : +91-124-2383224/5/6

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15, Tolstoy Marg, New Delhi-110001 INDIA  
CIN: U74899DL1995PTC064117  
[www.bd.com/india](http://www.bd.com/india)



Ref: BDB/DV/RhapsodyHT Xpress & Scanner/AIIMS-D/2025/01  
Date: 29-07-2025

To,  
**Dr. Rupesh K. Srivastava**  
Additional Professor  
Department of Biotechnology,  
All India Institute of Medical Sciences (AIIMS),  
Ansari Nagar, New Delhi -110029

**Sub: Final offer of BD Rhapsody™ Single-Cell Analysis System Workflow (BD Rhapsody™ HT Xpress System and BD Rhapsody™ Scanner)**

Dear Sir,

Greetings from BD!

We are pleased to share our final offer as per below for your kind consideration.

Description	Qty	Discounted Price (INR)
<p><b><u>BD Rhapsody™ Single Cell Analysis System</u></b> (Make: M/s Becton Dickinson, USA)</p> <p><b><u>A. HT Xpress Single Cell Analysis System (SKU- 666625)</u></b> The BD Rhapsody™ HT Xpress Single-Cell Analysis System allows high-throughput capture of multiomic information from single cells using a simple cartridge workflow and a multitier barcoding system. The resulting captured information can be used to generate various types of next generation sequencing (NGS) libraries. NGS libraries are sequenced and analyzed to provide high-dimensional resolution of single cells.</p> <ul style="list-style-type: none"> <li>BD Rhapsody HT Xpress is a portable high-throughput single-cell capture platform used for simultaneous gene and protein expression analysis. BD Rhapsody Express package includes following components:</li> </ul> <p><b><u>B. BD Rhapsody™ Scanner System (SKU- 633701)</u></b> BD Rhapsody Scanner offer visual QC across single cell capture workflow including cell count, viability measurements of the cell sample, cell capture efficiency and detection of multiplets.</p> <p>Features:</p>	1	<p><i>(Signature)</i></p> <p><b>Dr. Jaswinder Singh Maras</b> Associate Professor Dept. of Molecular &amp; Cellular Medicine Institute of Liver &amp; Biliary Science New Delhi-11007</p> <p><b>Dr. Angel Rajan Singh</b> अपर आचार्य - अस्पताल प्रशासन अखिल भारतीय आयुर्विज्ञान संस्थान, नई दिल्ली Additional Professor - Hospital Administration All India Institute of Medical Sciences, New Delhi</p>

**डॉ. अमिता बाली / Dr. Amita Bali**  
उप महानिदेशक (पी.) / Deputy Director General (P)  
स्वास्थ्य सेवा महानिदेशक, गृह मंत्रालय  
स्वास्थ्य एवं परिवार कल्याण विभाग  
Ministry of Health & Family Welfare  
भारत सरकार / Govt. of India  
नियंत्रण एवं प्रचार विभाग



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<b>Experimental setup</b> – Enter sample and experiment information to track samples through single-cell workflow. <b>Multi-sample selection</b> – Allow users to select and name up to eight lanes for processing through the cartridge scan workflow. <b>Scan and status</b> – Watch in real time the status of the lanes being scanned. <b>Image analysis</b> – Review the scanner quality metrics and make informed decisions on whether to proceed with library prep. <i>*Please refer Product Brochure for more technical details.</i>		
BD FACSymphony™ A1 4-Laser Cell Analyzer with BD FACDiva software of Latest version	1	
Total No. of Warranty	3	
FlowJo Analysis Portal License for 1 year	2	
Color Laser printer	1	
UPS-60 min	1	
<b>Total Price INR</b>		<b>1,56,34,440</b>
<b>GST@18%</b>		<b>28,14,199</b>
<b>Final Price</b>		<b>1,84,48,639</b>
<b>Total Price in word: One crore eighty-four lakh forty-eight thousand six hundred thirty-nine rupees Only</b>		

#### CAMC Prices from 4<sup>th</sup> to 10<sup>th</sup> Year:

Year	CAMC Price in INR*
4 <sup>th</sup> year	7,65,000
5 <sup>th</sup> year	7,65,000
6 <sup>th</sup> year	7,65,000
7 <sup>th</sup> year	7,65,000
8 <sup>th</sup> year	7,65,000
9 <sup>th</sup> year	7,65,000
10 <sup>th</sup> year	7,65,000

\*GST will be extra as applicable

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उप महानिदेशक (A)/Deputy Director General (P)  
स्वास्थ्य सेवा विभाग/Ministry of Health & Family Welfare  
भारत सरकार / Govt. of India  
नियंत्रण एवं परिवार कल्याण मंत्रालय

Dr. Angel Rajan Singh  
अपरा आचार्य - अस्पताल प्रशासन  
अखिल भारतीय आयुर्विज्ञान संस्थान, नई दिल्ली  
All India Institute of Medical Sciences, New Delhi

डा. सुदिप रावोर / Dr. SUMIT RATHORE  
सह-आचार्य / Associate Professor  
जैव प्रौद्योगिकी विभाग / Deptt. of Biotechnology  
अ.भा.आ.सं., अंशाली नगर, नई दिल्ली-110029

डॉ. भूपेन्द्र कुमार वर्मा / Dr. BHUPENDRA KUMAR VERMA  
अपरा आचार्य / Additional Professor  
जैव प्रौद्योगिकी विभाग / Dept. of Biotechnology  
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

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आचार्य एवं अध्यक्ष / Professor & Head  
जैव रसायन विभाग / Department of Biochemistry  
अखिल भारतीय आयुर्विज्ञान संस्थान, अंशाली नगर, नई दिल्ली-110029  
All India Institute of Medical Sciences, Anshali Nagar, New Delhi-110029



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Your Sincerely

For Becton Dickinson India Pvt. Ltd



Vijay Thakur  
National Sales Manager- BD Biosciences  
+91-84489 94179, Email Id: [vijay.thakur@bd.com](mailto:vijay.thakur@bd.com)

### TERMS AND CONDITIONS

Currency & Terms	:	INR, FOR Destination Prices
Terms of Payment	:	Tender Basis
Quotation validity	:	90 days from the date of Proforma Invoice
Delivery	:	Within 3-4 months from the date of receipt of firm PO.
Installation and Training:		BD needs to provide scheduled training once in every year date of installation. Also training on new assay or panel designing or trouble shooting support as and when required basis.
Order On	:	Becton Dickinson India Pvt. Ltd. 5th & 6th Floor, Signature Tower-B South City-1, Gurgaon-122001 Haryana, India
Bank Details	:	Citi Bank NA Jeevan Vihar, 3, Sansad Marg, New Delhi - 110001. Account No: 77000008 IFSC Code: CITI0000002 MICR Code: 110037002

*Am Bel'*  
डॉ. अमिता बाली / Dr. Amita Bali  
उप महानिदेशक (पी.) / Deputy Director General (P)  
स्वास्थ्य सेवा मंत्रालय / Dte. G.H.S.  
स्वास्थ्य एवं परिवार कल्याण विभाग  
Ministry of Health & Family Welfare  
राज्य सरकार / Govt. of India

डॉ. रमेश चंद्र सिंह मारस  
Associate Professor  
Dept. of Molecular & Cellular Medicine  
Institute of Liver & Biliary Sciences  
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डॉ. एंजेल राजन सिंह  
Dr. Angel Rajan Singh  
अपर आचार्य - अस्पताल प्रशासन  
Additional Professor - Hospital Administration  
अखिल भारतीय आयुर्विज्ञान संस्थान, नई दिल्ली  
All India Institute of Medical Sciences, New Delhi

Dr. Shilpi Minocha  
Assistant Professor  
Kusuma School of Biological Sciences  
Indian Institute of Technology, Delhi  
Hauz Khas, New Delhi-110016 (India)



डॉ. सुमित रावौर / Dr. SUMIT RATHORE  
सह-आचार्य / Associate Professor  
जैव प्रौद्योगिकी विभाग, परमेश्वर  
Department of Biochemistry, Permeswar

डॉ. कल्पना लुथरा  
Dr. KALPANA LUTHRA  
अध्यक्ष / Professor & Head  
जैव रासायन विभाग  
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Ambari Nagar, New Delhi-29

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Your Sincerely

For Becton Dickinson India Pvt. Ltd



*[Signature]*

Vijay Thakur  
 National Sales Manager- BD Biosciences  
 +91-84489 94179, Email Id: [vijay.thakur@bd.com](mailto:vijay.thakur@bd.com)

*[Signature]*  
 डॉ. अमिता बली / Dr. Amita Bali  
 उप महा निदेशक (प.) / Deputy Director General (P)  
 स्वास्थ्य सेवा, मंत्रालय / Dte. G.H.S.  
 स्वास्थ्य एवं परिवार कल्याण मंत्रालय  
 Ministry of Health & Family Welfare  
 भारत सरकार / Govt. of India  
 निवेदन करने में सहायता के लिए धन्यवाद



*[Signature]*  
 डॉ. एंजेल राजन सिंह  
 Dr. Angel Rajan Singh  
 अतिरिक्त प्राध्यापक - अस्पताल प्रशासन  
 अतिरिक्त प्राध्यापक - Hospital Administration  
 अखिल भारतीय आयुर्विज्ञान संस्थान, नई दिल्ली  
 All India Institute of Medical Sciences, New Delhi

*[Signature]*  
 डॉ. रुपेश कुमार श्रीवास्तव / Dr. Rupesh Kumar Srivastava  
 अतिरिक्त प्राध्यापक / Additional Professor  
 जैव प्रौद्योगिकी विभाग / Dept. of Biotechnology  
 अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi

*[Signature]*  
 डॉ. भूपेन्द्र कुमार वर्मा / Dr. Bhupendra Kumar Verma  
 अतिरिक्त प्राध्यापक / Additional Professor  
 जैव प्रौद्योगिकी विभाग / Dept. of Biotechnology  
 अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029

*[Signature]*  
 डॉ. कल्पना लुथरा  
 Dr. KALPANA LUTHRA  
 प्राध्यापक एवं अध्यक्ष / Professor & Head  
 जैव रसायन विभाग / Department of Biochemistry  
 अखिल भारतीय आयुर्विज्ञान संस्थान, नई दिल्ली-29  
 All India Institute of Medical Sciences, New Delhi-29



*[Signature]*  
 डा. सुमित राथोर / Dr. SUMIT RATHORE  
 सह-प्राध्यापक / Associate Professor  
 जैव प्रौद्योगिकी विभाग / Dept. of Biotechnology  
 अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi

*[Signature]*  
 Dr. Shilpi Minocha  
 Assistant Professor  
 Kusuma School of Biological Sciences  
 Indian Institute of Technology Delhi  
 Hauz Khas, New Delhi-110016 (India)

*[Signature]*  
 Dr. JASWINDER SINGH MARAS  
 Associate Professor  
 Dept. of Molecular & Cellular Medicines  
 Institute of Liver & Biliary Sciences  
 asant Kunj, New Delhi-110070



Bond		<b>Indian-Non Judicial Stamp Haryana Government</b>		Date: 12/05/2025
Certificate No. G0L2025E3134			Stamp Duty Paid : ₹ 200 (Rs. Only)	
GRN No. 130930532			Penalty : ₹ 0 (Rs. Zero Only)	
<b>Deponent</b>				
Name: Becton Dickinson India pvt ltd				
H.No/Floor : Na	Sector/Ward : Na	Landmark : Na		
City/Village : Gurugram	District : Gurugram	State : Haryana		
Phone : 80*****26				
				
Purpose : AGREEMENT to be submitted at Concerned office				

Ref: BDB/DV/RhapsodyHT Xpress &amp; Scanner/AIIMS-D/2025

Date: 13-06-2025

To,

**Dr. Rupesh K. Srivastava**

Additional Professor

Department of Biotechnology,

All India Institute of Medical Sciences (AIIMS),

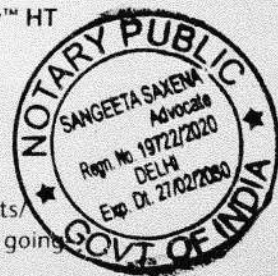
Ansari Nagar, New Delhi -110029

**Sub: PAC Purchase of BD Rhapsody™ Single-Cell Analysis System Workflow (BD Rhapsody™ HT Xpress System and BD Rhapsody™ Scanner)**

**NON-BLACKLISTED DECLARATION**

"M/s Becton Dickinson India is not blacklisted/ banned/ debarred by AIIMS/State Governments/ Central Government. Further, we also undertake that if in case any investigation/court case is going on and if we found guilty in that or any other investigation/court case registered with vigilance/FEMA/ Court at any stage, the contract will stand terminated w.e.f the date firm is found guilty, and we are bound to inform the AIIMS authorities whenever the firm is found guilty.

M/s Becton Dickon India are eligible to participate in the present tender.". If the information provided in the DECLARATION is found to be incorrect at any stage, during and after the tender, action will be initiated as per the tender conditions apart from forfeiture of EMD and performance security deposit (if any).



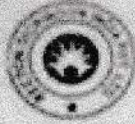
हॉ. रूपेश कुमार श्रीवास्तव/Dr. RUPESH KUMAR SRIVASTAVA  
अपर आचार्य/Additional Professor  
जैव प्रौद्योगिकी विभाग/Dept. of Biotechnology

19 JUN 2025



Your Sincerely

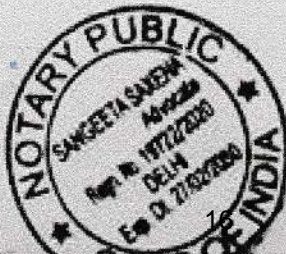
For Becton Dickinson India Pvt. Ltd



Vijay Thakur

National Sales Manager- BD Biosciences

+91-84489 94179, Email Id: [vijay.thakur@bd.com](mailto:vijay.thakur@bd.com)



**ATTESTED**  
NOTARY PUBLIC  
SANGEETA SAXENA  
ADVOCATE

डॉ. रूपेश कुमार श्रीवास्तव/Dr. RUPESH KUMAR SRIVASTAV  
अपर आचार्य/Additional Professor  
जैव प्रौद्योगिकी विभाग/Dept. of Biotechnology  
अ. भा. आ. सं., नई दिल्ली/A.I.I.M.S., New Delhi-11007



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[www.bd.com/india](http://www.bd.com/india)



Ref: BDB/DV/RhapsodyHT Xpress & Scanner/AIIMS-D/2025  
 Date: 13-06-2025

To,  
**Dr. Rupesh K. Srivastava**  
 Additional Professor  
 Department of Biotechnology,  
 All India Institute of Medical Sciences (AIIMS),  
 Ansari Nagar, New Delhi -110029

**Sub: PAC Purchase of BD Rhapsody™ Single-Cell Analysis System Workflow**

### RATE REASONABILITY CERTIFICATE

It is hereby certified that the equipment i.e. **BD Rhapsody™ HT Xpress System(SKU- 666625)** and **BD Rhapsody™ Scanner(SKU- 633701)** to be purchased are of requisite quality and specifications. The purchase price against above mentioned PAC are fair, reasonable and comparable to market rates.

Your Sincerely

For Becton Dickinson India Pvt. Ltd



**Vijay Thakur**  
 National Sales Manager- BD Biosciences  
 +91-84489 94179, Email Id: [vijay.thakur@bd.com](mailto:vijay.thakur@bd.com)

डॉ. रुपेश कुमार श्रीवास्तव/Dr. RUPESH KUMAR SRIVASTAVA  
 अपर आचार्य / Additional Professor  
 जैव प्रौद्योगिकी विभाग / Dept. of Biotechnology  
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**Ref: BDB/DV/RhapsodyHT Xpress & Scanner/AIIMS-D/2025**  
**Date: 13-06-2025**

To,  
**Dr. Rupesh K. Srivastava**  
 Additional Professor  
 Department of Biotechnology,  
 All India Institute of Medical Sciences (AIIMS),  
 Ansari Nagar, New Delhi -110029

**Sub: PAC Purchase of BD Rhapsody™ Single-Cell Analysis System Workflow**

### **FALL CLAUSE CERTIFICATE**

Fall clause is a price safety mechanism. The fall clause provides that if we M/s Becton Dickinson India (the contract holder) reduces its price or sells or even offer to sell the contracted goods of identical specification and terms & conditions to that of the contract, at a price lower than the contract price, to any person or organization during the currency of the contract, the contract price will be automatically reduced with effect from that date for all the subsequent supplies under the contract and the ongoing contract stand amended accordingly.

We, M/s Becton Dickinson India, states that the rates quoted for the item in the present tender are lower than the price quoted by us in other Institution or Organization.

Further, we, M/s Becton Dickinson India also undertake that during the contract period we will not sell the same material/equipment at price lower than the bid price & in case we supply or quote a lower rate to other governments, public sector or private organization, the same rate will become applicable to AIIMS, New Delhi. We would reimburse the excess amount paid, if any to AIIMS, New Delhi.

Your Sincerely

**For Becton Dickinson India Pvt. Ltd**



**Vijay Thakur**  
 National Sales Manager- BD Biosciences  
 +91-84489 94179, Email Id: [vijay.thakur@bd.com](mailto:vijay.thakur@bd.com)



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**Date: 13-06-2025**

To,  
**Dr. Rupesh K. Srivastava**  
 Additional Professor  
 Department of Biotechnology,  
 All India Institute of Medical Sciences (AIIMS),  
 Ansari Nagar, New Delhi -110029

**Sub: PAC Purchase of BD Rhapsody™ Single-Cell Analysis System Workflow**

Respected Sir / Ma'am,

We, M/S Becton Dickinson India Pvt Ltd, an Indian subsidiary of Becton Dickinson & Co., BD Biosciences, USA, (The Manufacturer), hereby participating in Tender/PAC purchase of BD Rhapsody HT Express and BD Rhapsody Scanner at AIIMS Delhi

We are participating in the tender/PAC directly and will perform all contractual obligations ourselves.

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

Your Sincerely

**For Becton Dickinson India Pvt. Ltd**



*Vijay Thakur*

**Vijay Thakur**  
 National Sales Manager- BD Biosciences  
 +91-84489 94179, Email Id: [vijay.thakur@bd.com](mailto:vijay.thakur@bd.com)

*[Signature]*  
 **Dr. Rupesh Kumar Srivastava / Dr. RUPESH KUMAR SRIVASTAVA**  
 अपर आचार्य / Additional Professor  
 जैव प्रौद्योगिकी विभाग / Dept. of Biotechnology  
 अ. भा. आ. सं., नई दिल्ली / A.I.I.M.S., New Delhi-110029



**Report ID:** GEM/GARPTS/22072025/0PDQ5RH90PYO

**Report Name:** High Throughput Single Cell Capture and Analysis System

**Generated By:** Bhupendra Kumar Verma , Department of Health and Family Welfare , Ministry of Health and Family Welfare

**Generated On:** 22/07/2025

**Valid till:** 21/08/2025

### GeM Availability Report and Past Transaction Summary

GeM Availability Report and past transaction summary report is generated based on the specifications searched by the Buyer. The specification may be modified appropriately for searching relevant categories on GeM. Buyer may navigate to GeM category page by clicking on the category link to view category specifications and products/services available in the category.

*Order Count and Order Value displayed is on a cumulative basis since GeM inception.*

#### **1. Search String: High Throughput Single Cell Capture and Analysis System**

Search type: Product

1. There are categories available on GeM matching your requirements (as listed here). You can create a bid on GeM with a product closest matching your required specifications and add additional parameters in specifications through Corrigendum using RMS functionality.
2. If you feel that category TP needs updating you can submit category updating request also through RMS.
3. If you do not want to use any of the above option and want to proceed for procurement outside GeM, please suggest the specifications of the required product for creation of new category on GeM for future procurement.


Search Result: Category available/suggested on GeM but marked as "not matching requirements" by the buyer with undertaking as under:

*It is certified that I have thoroughly checked all probable categories suggested by GeM and I am satisfied that the product required is not covered / does not fall in any of the suggested categories and can not be procured under any of these categories even after inclusion of List of Values( LOV) wherever possible in category specifications of suggested categories. It is also certified that the technical specification requirement are such that these can not be covered even by adding specification parameters using ATC in any of the GeM suggested categories. This is a one-time requirement hence new category creation is not proposed / or requirement is recurring but request for new category creation will be submitted separately post generation of GeMARPTS.*

Category Name	Catalog Count	Order Count			Order Value (in Lakhs)		
		Direct Purchase	Reverse Auction	Bid	Direct Purchase	Reverse Auction	Bid
5 Part Automated Hematology Analyser (V2)	554	190	15	77	1,091	2,179	2,258

Dr. RUPESH KUMAR SRIVASTAVA  
अपर आचार्य / Additional Professor  
Dept. of Biotechnology

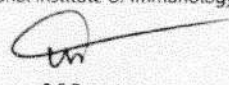


 <b>ASHOKA UNIVERSITY</b> <b>International Foundation For Research &amp; Education</b> <b>Plot No. 2, Rajiv Gandhi Education City</b> <b>Rai, Sonapat -131029</b>						<b><u>PURCHASE ORDER</u></b>	
						PO NO.	PO/IFRE/24-25/0066
						Date:	07-03-2025
<b>To</b> Becton Dickinson India Pvt. Ltd. Head Office: 5th Floor & 6th Floor, Signature Tower B, South City I, Gurgaon Phone No :9953681316 Kind Attn.: Divyanand Tiwari			<b>Delivery Address:</b> other Ashoka University Plot No.2, Rajiv Gandhi Education City Rai, Sonapat HR			Indented by	LAB.PURCHASE
						Deptt	KUNDLI
						GST No.	06AABC19379J2Z1
						TIN No.:	06913019792
						PAN	AABC19379J
						Ref	IND/IFRE/24-25/00138
Sr.	Description & Specification	U/M	Qty	GST %	Rate/Unit (Rs.)	Disc %	Total Value (Rs.)
1	Single Cell Analysis System, Model-BD Rhapsody HT Express & Scanner  For Detailed Specification Refer to Annexure-1 (Ref No- IFRE/24-25/0066, Dated- 17/03/2025)	NOS	1.00	18	8100000.00	2.47	7900000.00
<b>Amount In Words :NINETY THREE LAKH TWENTY TWO THOUSAND RUPEES AND ZERO PAISA ONLY</b>							
						Total Amount:	79,00,000.00
						GST	14,22,000.00
						GRAND TOTAL:	93,22,000.00
Notes:		Budget head: Biological E grant (Research Costs) Price- FOR at IFRE, Sonipat					
<b>Terms &amp; Conditions</b>							
1	Delivery	Within 60-90 days from the Date of PO					
2	Mode	By Road Transport					
3	Price						
4	Payment	100% advance against bank guarantee					
5	Warranty	3 Years against manufacturing defects					
<b>Standard Instructions</b> 1. Purchase order number must be mentioned in all bills. 2. Delivery Period as per term must be followed strictly or else the PO will be invalid. 3. Separate bills should be raised for material & services provided. 4. All disputes are subject to Sonapat Jurisdiction.						For International Foundation For Research & Education           Signatory	






राष्ट्रीय प्रतिरक्षाविज्ञान संस्थान  
जैव प्रौद्योगिकी विभाग, विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार का स्वायत्त अनुसंधान संस्थान  
**NATIONAL INSTITUTE OF IMMUNOLOGY**  
An Autonomous Research Institute of the Department of Biotechnology, Ministry of Science and Technology,  
Government of India

P.O. No.: NII/IMP/EQP/14/CFCF/2022-23		<b>DATE-25.03.2023</b>		
To, M/s.Becton Dickinson Holding Pte Ltd 2 International Business Park Road, The Strategy # 08-08 Singapore-609930		<b>Bill to,</b> The Director - National Institute of Immunology  <b>Delivery to:-</b> Stores & Purchase Officer Stores and Purchase Department National Institute of Immunology Aruna Asaf Ali Marg, New Delhi- 110067, email ID:- stores@nii.ac.in Contact No. 91-11-26703757		
Budget –	ICTP-934, EQPT			
LAB –	CFCF			
Indent No.	38886			
Indenter Name -	<b>DR. PUSHKAR SHARMA, DR. VEENA S PATIL, DR. ANEESH KUMAR AG, DR. NIMESH GUPTA, DR. DEVINDER SEHGAL AND DR. P. B. TAILOR</b>			
Amount in Rs. -	<b>Rs. 13,238,814.00</b>			
Dear Sir/Madam, With reference to <b>EMAIL Quotation No. # Ref: BDB/DN/NII-PPAVDN/FACSymphonyA1/2023 dated 22-03-2023;</b> we are pleased to issue this Purchase Order for supply of <b>below material</b> as per the Purchase Requisition subject to terms and conditions as stipulated in our tender.				
Sl. No.	Item Description	Cat. No.	Qty	Total Value in (USD)
1	<b>BD FACSymphonyTM A1 Cell Analyzer/Flow Cytometer (4 Laser 18 Parameters configuration)</b> Lasers: - Fixed Optical Bench with Pre-Aligned Fixed Lasers o 488 nm: Blue Laser, 100mW o 628 nm: Red Laser, 100mW o 405 nm: Violet Laser, 100mW o 532 nm: Yellow Green Laser, 100mW <b>Data Management System includes: -</b> <b>Software:</b> BD FACSDivaTM v9.0.2 Software or later <b>Workstation:</b> Compatible Workstation validated from Manufacturing <b>Flowjo software</b> – 5 copies of portal license with Validity of 2 Year  <b>FOC ITEM TO BE SUPPLIED LOCALLY BY</b> <b>M/S BECTION DICKISON INDIA PRIVATE LIMITED</b>	-	1	130000.00
1.1	Branded online 3 KVA compatible UPS with 30 min back up			
1.2	Flow Cytometer will be supplied with a start-up kit including CST beads, Rainbow Beads, Instruments set up, calibration, & quality checkup. The Instrument quoted with cost of CS&T beads, Rainbow Beads for 01 years.			
1.3	A Branded Color Laser Printer will be provided.			
1.4	Service Personnel from BD India will install the Instrument & provide the training on regular maintenance of Instruments.			
1.5	Application personnel from BD India will provide on-site post-installation training for system and software. Training will be arranged for users twice in a year till warranty period.			
1.6	Trained and qualified operator will be provided for 12 Months. A confirmation will be provided by NII for joining of trained and qualified operator.			
<b>Total FOB Singapore</b>				<b>130000.00</b>
Add Freight, Handling charges & insurance				PAID
<b>Total CIP - New Delhi - USD</b>				<b>130000.00</b>
<b>Net Payable USD- One Lakh Thirty Thousand Only.</b>				
Enclosures: i) Dispatch and Billing Instruction		For National Institute of Immunology   P.S.Rawat Stores & Purchase Officer (AUTHORISED SIGNATORY)		



AGREED VARIATIONS TO GENERAL TERMS AND CONDITIONS		
P.O. No.: NII/IMP/EQP/14/CFCF/2022-23		DATE-25.03.2023
SL. NO.	TERMS	TERMS/VARIATION AGREED
1	PRICE BASIS	The above mentioned PO value inclusive of charges-packing & forwarding charges, Freight & Insurance, documentation charges and any other charges.
2	DELIVERY PERIOD	The material shall be dispatched to National Institute of Immunology at New Delhi <b>with in 30 days from date of receipt of confirmed LC</b> against the irrevocable letter of credit for 100% (with 90% against supplies and submission of the document to buyer bank +10% PBG) for satisfactory installation at Singapore Office/As per tender terms alongwith copy of Invoice with Stamp and signed. Copy of MAWB/HAWB/Bill of Landing, Invoice/Commercial Invoice, Packing List alongwith transit insurance policy. <b>Ensure AWB and shipping details must be provided to us through E-mail stores@nii.ac.in at least 3 days before arrival of shipment in advance, otherwise if any delay caused due to late receipt of documents the custom authority may impose demurrage/penalty. Shipper shall have to pay the same without any dispute. You are requested not to send the shipment on Saturday/Sunday &amp; Govt. Holiday.</b>
3	TERMS OF PAYMENT	the irrevocable letter of credit for 100% (with 90% against supplies and submission of the document to buyer bank +10% PBG) for satisfactory installation at as per tender terms
4	BANK GUARANTEE	Please provide 10% of the Order Value as Performance Bank Guarantee of an equivalent amount of foreign currency from a Nationalized/Scheduled Bank valid for a period of <b>26 months</b> from the date of satisfactory installation with in 30 days from the date of P.O.
5	PARTIAL SHIPMENT	<b>Partial shipment will not be accepted.</b>
6	LIQUIDATED DAMAGES FOR DELAY	The Liquidated Damages for delay in delivery and installation attributable to supplier shall be half percent (0.5%) of the total contract price/value for each week of delay beyond the delivery period for supply of goods subject to a maximum of 10% of total contract price/value. Once the quantum of damages reaches the maximum i.e. 10%, NII will have unconditional authority to cancel the purchase order.
7	JURISDICTION	In case of any disputes arising relating to the contract, meaning and operation of this Purchase Order or breach thereof, the courts within the jurisdiction of Delhi, India alone shall have the Jurisdiction.
8	ACCEPTANCE	You are required to confirm the acceptance of this purchase order by return email or within <b>7 days</b> from the date of email.
9	IMPORTANT NOTE	<b>(1) Status (Firm/Company/Others), (2) In case of Company- Type of Company (Domestic/ Other than Domestic), (3) Declaration from the supplier stating that they have no permanent establishment in India- Kindly send this information on the letterhead which is duly signed &amp; stamped from your principle company whom the foreign payment will be remitted., (4) The Invoice must contain complete address of the Principal with E-mail address, International Phone with Fax No. too., (5) Please Note that the shipment must be sent on the mode for which freight charges paid, otherwise charges for change of mode would bear by shipper.</b>
10	WARRANTY	<b>2 Years warranty from the date of satisfactory installation.</b>
Suppliers Acceptance		For National Institute of Immunology
Signature:		Prepared By
Stamp		 P.S. Rawat Stores & Purchase Officer (AUTHORISED SIGNATORY)



Tel. 26588204-26588662-26589620

सुराग्रह ICMR SCIENTIFIC  
Web-site www.icmr.ac.in  
E-mail icmrinfo@sanand.nic.in



ICMR

# भारतीय आयुर्विज्ञान अनुसंधान परिषद INDIAN COUNCIL OF MEDICAL RESEARCH

वी. रामलिंगस्वामी भवन, अन्सारी नगर, पोस्ट बॉक्स 4911, नई दिल्ली - 110 029  
V. RAMALINGASWAMI BHAWAN, ANSARI NAGAR, POST BOX 4911, NEW DELHI - 110 029

F No. EMDR/IG/13/2024-01-00842

Date 01.01.2025

The Director,  
All India Medical Science,  
New Delhi-110029.

Subject: - "Investigating the Diagnostic Potential of Gut-Associated Metabolites in Post-Menopausal Osteoporotic Women and Exploring Their Therapeutic Potential in Pre-Clinical Model of Osteoporosis: An Osteoimmunological Approach"

Sir/Madam,

The Director General of the ICMR sanctions the above mentioned research scheme initially for the period of one year initially from subject to extension up to the total duration specified in para 4 below:-

1. The Director General of the ICMR also sanctions the budget allotment of **Rs.5,47,23,724/-** as detailed in the attached statement for the period from **2024-25**. The grant-in-aid will be given subject to the following conditions.
2. The payment of the grant will be made in lump-sum to the Head of the Institute. The first installment of the grant will be paid generally as soon as report regarding appointment of the staff is received by the Council. The Staff appointed on the project should be paid as indicated in the budget statement.
3. The staff on the project will be recruited as per the rules and procedure of the host institute and second part of the undertaking be obtained from the employees of the project. The staff grant will not be released unless the required undertaking [part-II] from Head of the Institute is received in this office.
4. The demand for payment of the subsequent installment of the grant should be placed with the Council in the prescribed proforma. The approved duration of the scheme is Three Year. The annual extension will be given after review of the work done on the scheme during the previous year.
5. Five copies of the annual progress report should be submitted to the ICMR every year after completion of ten months of the project giving complete actual details of the research work done. Failure to submit the report in time may lead to termination of project.
6. Subject to the condition that the grant will be utilize after following the provisions laid down in the GFRs-2017 & TA Rules Please keep the fund in the separate saving Bank Account opened for ICMR funded Research projects so that interest earned thereon is credited into the accounts

The receipt of this letter may please be acknowledged.

Yours faithfully,

Jaibir Singh

Sr. Administrative Officer

Copy together with a copy of the budget statement forwarded to information

1. Dr. Rupesh Srivastava, Associate Professor, All India Institute of Medical Sciences, New Delhi-110029.
2. Accounts. V. for information.
3. Copy together with the budget forwarded to Budget Section [Finance Section] for compilation of the ICMR Budget
4. IRIS Cell No. EMDR/IG/13/2024-01-00842

24  
डॉ. रुपेश कुमार श्रीवास्तव/Dr. RUPESH KUMAR SRIVASTAVA  
अपर आचार्य/Additional Professor  
आयुर्विज्ञान विभाग/Department of Biotechnology  
ए.आई.एम.एस., नई दिल्ली/A.I.I.M.S. New Delhi 110029

BUDGET STATEMENT


(2024-25)

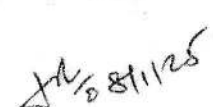
Subject: Research project entitled. "Intermediate Grants Adhoc" Payment of 1<sup>st</sup> Year for the research project entitled "Investigating the Diagnostic Potential of Gut-Associated Metabolites in Post-Menopausal Osteoporotic Women and Exploring Their Therapeutic Potential in Pre-Clinical Model of Osteoporosis: An Osteoimmunological Approach" under Dr. Rupesh Srivastava, Associate Professor, All India Institute of Medical Sciences, New Delhi-110029

S. No	Item	1 <sup>st</sup> Year
1.	<b>Staff</b> Project Research Scientist- I (Non-Medical)@ 56,000/- pm + 30% HRA @/-=16,800/-=72,800/- Salary increased for 3rd year 5%	8,73,600
2.	Project Research Scientist - II (Non Medical)@67000/- pm + 30% HRA @/-=20,100/- =87,100/- Salary increased for 3rd year 5%	10,45,200
3.	Project Technical Support - II @20,000/- pm + 30% HRA @/-=6,000/- =26,000/- Salary increased for 3rd year 5%	3,12,000
2.	Recurring (Contingencies)	2,00,000
3.	Consumables	1,40,00,000
✓ 4.	Non- recurring (Equipment)	3,75,00,000
5.	Travel	3,00,000
6.	Overhead charges 3%	4,92,924
	<b>Total</b>	<b>5,47,23,724</b>

Total budget allotment of **Rs.5,47,23,724/- (Rupees Five Crores Forty Seven Lakhs Twenty Three Thousand Seven Hundred Twenty Four Only)**

**F. No. EMDR/IG/13/01-2024-00842**

  
 डॉ. रुपेश कुमार श्रीवास्तव/Dr. RUPESH KUMAR SRIVASTAVA  
 अपर आचार्य/Additional Professor  
 जैव प्रौद्योगिकी विभाग/Dept. of Biotechnology  
 अ. भा. आ. सं., नई दिल्ली/A.I.I.M.S., New Delhi-110029

  
 (Jaibir Singh)  
 Sr. Administrative Officer  
 For Director General





# BD Rhapsody™ HT Single-Cell Analysis System

Fast track single-cell research without compromise



# Increase throughput. Decrease time to answer. No compromise.

Single-cell analysis technologies are important tools utilized to understand the intricacies and heterogeneity of cellular populations and cellular systems. Cell-specific information gathered from these tools that are lacking in traditional genome-wide techniques allows deeper insights from hundreds of thousands of cells at single-cell resolution.

The BD Rhapsody™ HT Single-Cell Analysis System allows flexible sample processing and cell capture from hundreds

to hundreds of thousands of single-cells using a gentle and robust microwell-based cartridge technology and multitier barcoding system enabled by BD Rhapsody™ Enhanced Bead Technology. Multiple samples can be processed in a single run when utilizing BD multiplexing antibodies. The captured cellular information is utilized to generate various types of libraries for next-generation sequencing applications providing accelerated time to insight.



## See how it works

Answer your biological questions and have confidence in every experiment with the BD Rhapsody™ HT Single-Cell Analysis System

### Simple single-cell capture

- Prepare single-cell suspensions
- Capture single cells
- Synthesize cDNA

### Three ways to proceed with flexible workflow



#### Store

Keep cell capture beads for later processing



#### NGS library prep

Prepare on your own



#### Transport

Send cell capture beads to a core facility or sequencing provider





# BD Rhapsody™ System quality, higher throughput



## Flexible cartridge design

- Up to 8 tests per cartridge
- Partial use of cartridge enables:
  - Running more or different types of experiments
  - Processing samples together or on different days



## Subsample beads

- Creates flexibility with experimental design
- Tool to measure sample quality
- Share beads across sites with collaborators



## Low multiplet rate per lane

- 2.5% @ 10,000 cell load
- 5.2% @ 25,000 cell load
- 10.2% @ 55,000 cell load



## Archive beads

- Equivalent data obtained from fresh beads and stored beads
- Support flexible and collaborative workflow approach
- Backup for underperformed or failed library preps



## Minimal batch effects

- Consistent, reliable results with technical, biological, site-to-site and user-to-user replicates

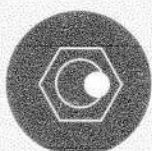


## Maintain sample integrity

Gentle microwell technology

No sample loss due to clogging of channels

Recover cells with disparate size and morphology, including fragile cell types



## Expanded throughput

Easily run million-cell studies

Capable of capturing more than 320,000 cells per cartridge

Up to 80% cell capture rate (for certain cell types)



## Visual workflow QC

Save time and sequencing cost

Make real-time decisions before sequencing

Be certain about your cell capture with every single-cell experiment

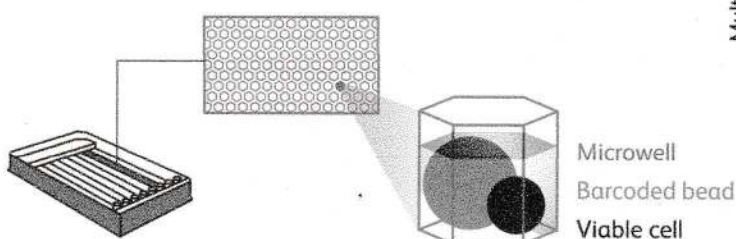


## High cell capture and low multiplet rate across cell inputs

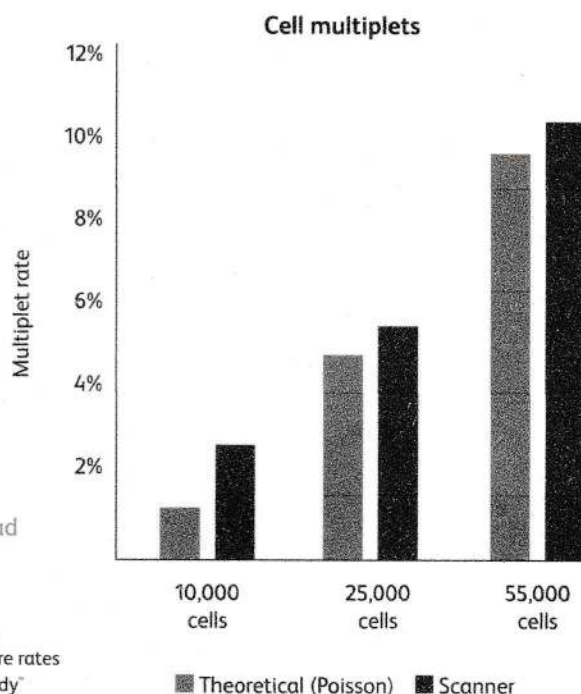
Desired number of cells	Live cells loaded**	Viable cells captured in well with a bead	Capture rate
55,000*	57,749	45,512	0.79
25,000*	26,256	20,977	0.80
10,000*	10,506	8,410	0.80

\*Mix of PBMC, Jurkat, Ramos and THP1 cells

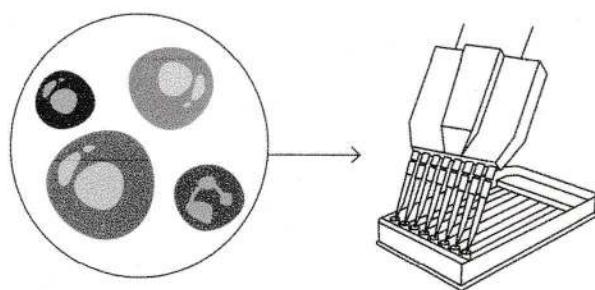
\*\*BD Rhapsody™ Scanner hemocytometer count



**Figure 1.** Four cell types (PBMCs, Jurkat, Ramos and THP1) were pooled and loaded in duplicate at 10,000, 25,000 or 55,000 cells per lane on an 8-lane cartridge. Cell capture rates were high and multiplet rates were low at all cell load concentrations. The BD Rhapsody™ Scanner provides a measure of actual multiplet rate for cells loaded onto each lane in the 8-lane cartridge. Capture rates from the scanner were recorded up to 80%. The multiplet rate for 55,000 cell input was 10.2%. Results may vary based on cell type and isolation method.



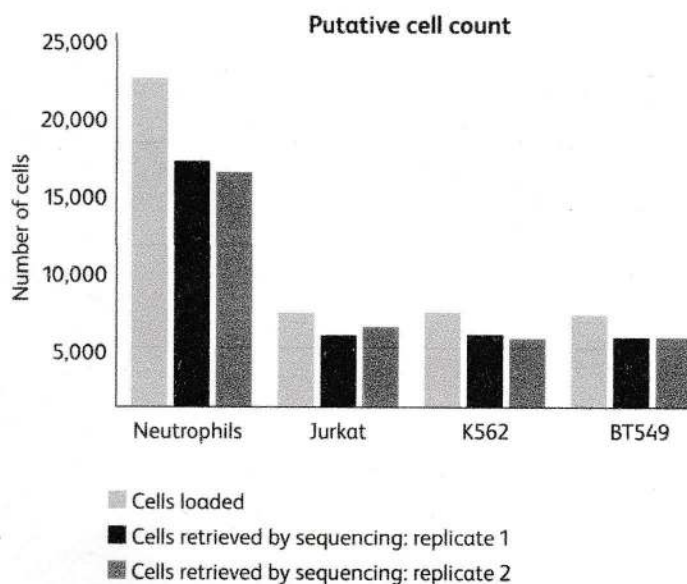
## Cell types with disparate size and morphology recovered in similar proportion to input concentration



- Neutrophils (10–14 μm)
- Jurkat (11 μm)
- K562 (16 μm)
- BT549 (20 μm)

\*Neutrophils isolated using negative magnetic enrichment

**Figure 2.** Large, medium and small cells were loaded into duplicate lanes of a BD Rhapsody™ 8-Lane Cartridge. Jurkat, K562 and BT549 cells were loaded at a given ratio (1:1:1) and neutrophils were loaded separately. The ratio of cells recovered from sequencing was compared, revealing that the cell types were recovered in similar proportions to those loaded into the cartridge despite different cell sizes, including neutrophils. Furthermore, cells were recovered in matched input ratios at sequencing indicating faithful capture of cells of different sizes and morphologies.





# Confidence in every experiment with the BD Rhapsody™ Scanner visual workflow QC

The BD Rhapsody™ Scanner can be used to provide quality control measures at different stages of the workflow by direct imaging through an intuitive user interface for a multi-sample workflow.



**Experimental setup** – Enter sample and experiment information to track samples through single-cell workflow



**Scan and status** – Watch in real time the status of the lanes being scanned



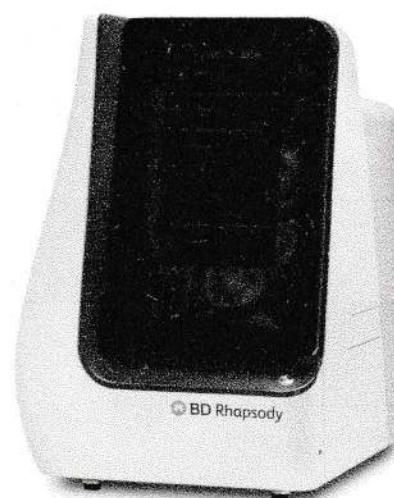
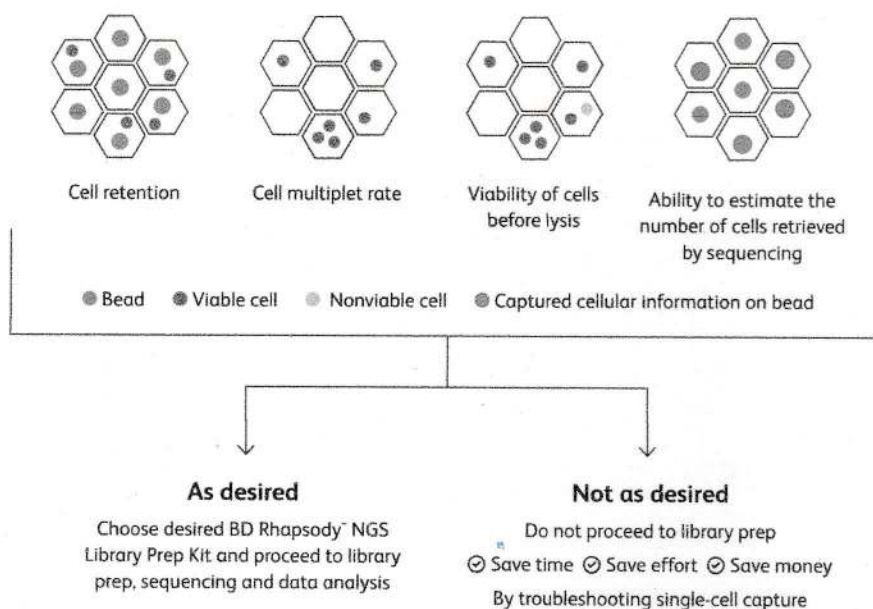
**Multi-sample selection** – Allow users to select and name up to eight lanes for processing through the cartridge scan workflow



**Image analysis** – Review the scanner quality metrics and make informed decisions on whether to proceed with library prep

## Visual confirmation of cell capture

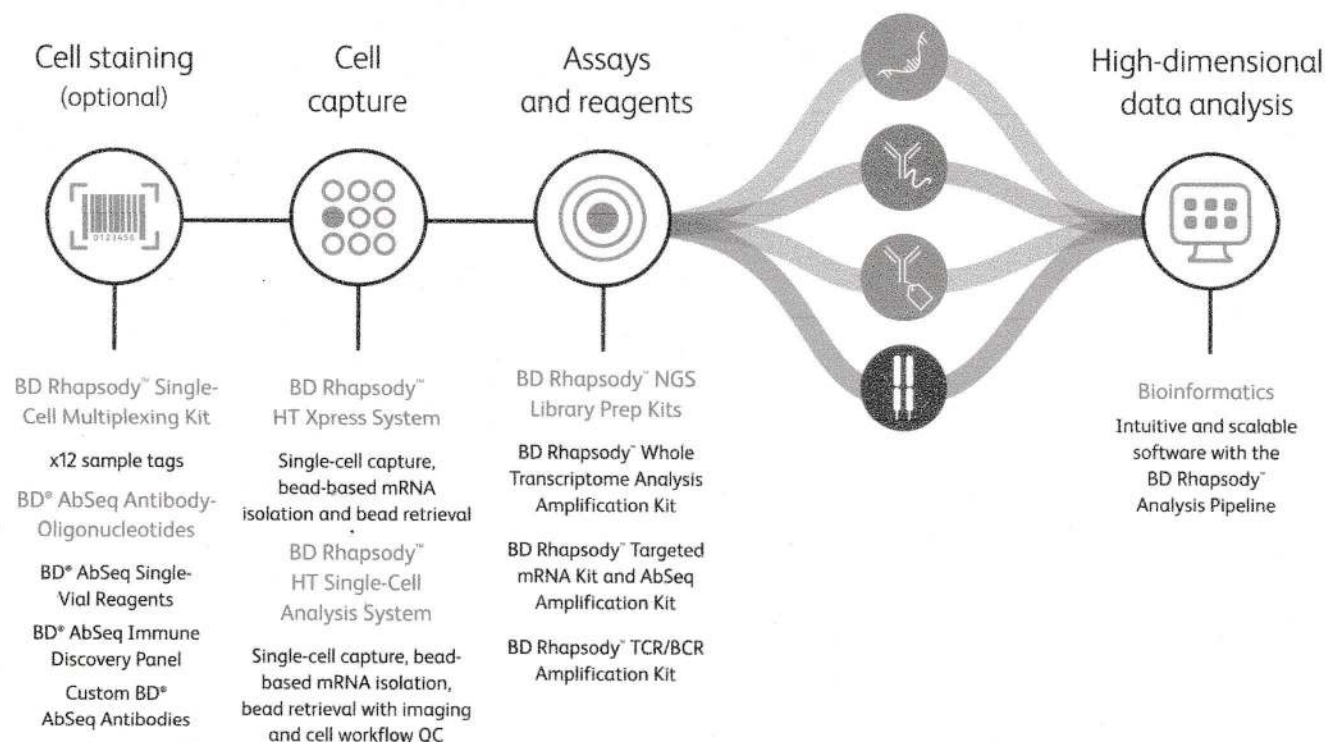
The viability of the input cell sample and success of each step of the cartridge workflow can be confirmed, giving the user the power to decide whether to change course or troubleshoot, if necessary, before expensive downstream sequencing.



Track performance of workflows day to day or between various study sites, confidently every time



## A complete single-cell multiomics solution



## Supporting you with your single-cell experiments

At BD Biosciences, we pride ourselves on our excellent product and technical support. All our products are backed by our >45 years of single-cell expertise and support resources. Combining years of collective knowledge with diverse research and clinical laboratory experience, our application and field service teams provide timely, professional application and instrument support. They can address issues related to instruments, software and reagents across a broad range of applications. Experts can be dispatched to your site when needed for periodic preventative maintenance.

### Getting help from single-cell experts

Visit us at [scmix.bd.com](https://scmix.bd.com) to view our resource library, learning center and FAQs or to file a ticket for help.

### In need of instrument technical support

BD technical service support is here to help with instrument support. Contact us by phone at 877.232.8995, prompt 2, then prompt 1, 5 a.m. to 5 p.m. PT or online at [bdbiosciences.com/en-us/support/contact-us](https://bdbiosciences.com/en-us/support/contact-us) to fill out a Service Web Form.

### Ordering the BD Rhapsody™ HT Xpress Single-Cell Analysis System

To request a quote or place and order, visit [bdbiosciences.com](https://bdbiosciences.com) or contact your local BD sales representative.



## Ordering information

BD Rhapsody™ HT Single-Cell Analysis System	
Description	Cat. No.
BD Rhapsody™ HT Xpress Package*	666625
BD Rhapsody™ Scanner	633701
Reagents	
BD Rhapsody™ 8-Lane Cartridge	666262
BD Rhapsody™ Enhanced Cartridge Reagent Kit	664887
BD Rhapsody™ cDNA Kit	633773
BD Rhapsody™ Targeted mRNA & AbSeq Amplification Kit	633774
BD Rhapsody™ WTA Amplification Kit	633801
BD Rhapsody™ TCR/BCR Amplification Kit, Human	665345
BD Rhapsody™ TCR/BCR Amplification Kit, Mouse	666282
Companion products	
BD® AbSeq Single-Vial Reagents	Contact for more info
BD® AbSeq Immune Discovery Panel	625970
BD® Immune Response Panel	633750
BD® Human Single-Cell Multiplexing Kit	633781
BD® Mouse Single-Cell Multiplexing Kit	633793
BD® Flex Single-Cell Multiplexing Kit A	633849
BD® Flex Single-Cell Multiplexing Kit B	633850
BD® Flex Single-Cell Multiplexing Kit C	633851
BD® Flex Single-Cell Multiplexing Kit D	633852
Custom BD® AbSeq Antibodies	Contact for more info

\*Includes the BD Rhapsody™ P8x1200-µL Pipette – HTX and Hamilton® 60-mL Waste Reservoirs

For a complete list of single-cell assays and reagents, visit [bdbiosciences.com](https://bdbiosciences.com)



For Research Use Only. Not for use in diagnostic or therapeutic procedures.

BD Life Sciences, San Jose, CA 95131, USA

**bdbiosciences.com**





Z.21011/1/2023-Admin-I  
Government of India  
Ministry of Health and Family Welfare  
Directorate General of Health Services  
[Administration-I Section]

Nirman Bhawan, New Delhi.  
Dated the 02<sup>nd</sup> June, 2025

To

The Director,  
(Kind Attn: Prof. M Srinivas)  
AIIMS, Ansari Nagar, New Delhi-110029  
Email- [director@aiims.gov.in](mailto:director@aiims.gov.in)

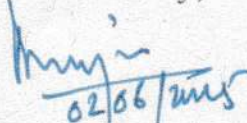
**Subject: Nomination for Deputing DGHS Nominee for Finalization of Technical Specifications for Procurement of Equipment under ICMR Project (F. No. EMDR/IG/13/2024-01-00842, Project code:1-1789) at AIIMS-regarding**

Sir/Ma'am,

I am directed to refer to your letter dated 27.05.2025 enclosed therein Department of Biotechnology, All India Institute of Medical Sciences (AIIMS), New Delhi letter dated 19.05.2025 (copy enclosed) on the subject cited above and to say that *Dr. Amita Bali, CMO (SAG)-DDG(P) Dte. GHS, New Delhi* is nominated for the above said purpose.

This issues with the approval of DGHS.

Yours faithfully,

  
(Arindam Banerjee)  
Deputy Director  
Tel. No. (011)-23063539

**Copy to,**

1. PPS to DGHS
2. Dr. Amita Bali, CMO (SAG)-DDG(P) Dte.GHS (HQ) along with a copy of communication referred above.





अखिल भारतीय आयुर्विज्ञान संस्थान

अन्सारी नगर, नई दिल्ली-११००२९ (भारत)

ALL INDIA INSTITUTE OF MEDICAL SCIENCES

ANSARI NAGAR, NEW DELHI - 110029 (INDIA)

Ph. 011-26594805/4800, Email: [director@aiims.gov.in](mailto:director@aiims.gov.in)

दिनांक/Dated : .....27.05.2025.

To

The Director General of Health Services,  
Government of India,  
Ministry of Health & Family Welfare,  
Nirman Bhawan,  
Room No. 446, A-Wing,  
New Delhi-110001.  
Email- [dghs@nic.in](mailto:dghs@nic.in)

**Subject:** Forwarding of Request for Deputing DGHS Nominee for Finalization of Technical Specifications for Procurement of Equipment under ICMR Project (F. No. EMDR/IG/13/2024-01-00842, Project code: I-1789) at AIIMS.

Respected Madam,

Please find enclosed a request from the Department of Biotechnology, All India Institute of Medical Sciences (AIIMS), New Delhi, regarding the nomination of a representative from the Directorate General of Health Services (DGHS) to participate in the Technical Specification and Evaluation Committee (TSEC) for the finalization of specifications and procurement of equipment (Metabolic Analyzer and Single Cell Capture System) under the ICMR-funded project titled "Investigating the Diagnostic Potential of Gut-Associated Metabolites in Post-Menopausal Osteoporotic Women and Exploring Their Therapeutic Potential in Pre-Clinical Model of Osteoporosis: An Osteoimmunological Approach" (Project Code: I-1789).

The request is forwarded for your kind consideration and necessary action.

With regards,

Yours Sincerely

[Prof. M. Srinivas]  
Director



C-1740722  
19.05.2025  
**Department of Biotechnology**

**All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi-110029**

To  
The  
**Director**  
All India Institute of Medical Sciences  
Ansari Nagar, New Delhi-29

Dated: 19-05-2025



**Subject:** Request for deputing **DGHS nominee** for the TSEC committee for ICMR funded project (F. No. EMDR/IG/13/2024-01-00842, Project code: I-1789)

Respected Sir,

We are implementing a ICMR project (I-1789), entitled "Investigating the Diagnostic Potential of Gut-Associated Metabolites in Post-Menopausal Osteoporotic Women and Exploring Their Therapeutic Potential in Pre-Clinical Model of Osteoporosis: An Osteoimmunological Approach". In this project we have budget of the following two equipment's:

1. Metabolic Analyzer
2. Single Cell capture system

The estimated cost of the both equipment's is more than 1 crore each (F. No. EMDR/IG/13/2024-01-00842; Project code: I-1789). Therefore, we need a committee comprising two external experts (related discipline) and DGHS nominee.

You are requested to approve the committee including **external experts** (consents attached) for the technical specifications and evaluation committee (TSEC) of above-mentioned purchase.

**Below is the suggested name for the committee**

1. **Dr. Anushree Gupta**, Additional Professor & **Head**, Department of Biotechnology, All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi-110029.
2. **Dr. Rupesh K. Srivastava**, Additional Professor, Department of Biotechnology, All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi-110029. (**End User Faculty member & PI of the project**).
3. **Dr. Sumit Rathore**, Associate Professor and **Store In-charge**, Department of Biotechnology, All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi-110029.
4. **Dr. Angel Ranjan**, Additional Professor, Hospital Administration, AIIMS, Ansari Nagar, New Delhi-110029. (**MS nominee**)
5. **Dr. Kalpana Luthra**, Professor & **Head**, Department of Biochemistry, All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi-110029. (**Head of Department of the related discipline**)
6. **Dr. Jaswinder Singh Maras**, Associate Professor, Department of Molecular and Cellular Medicine, Institute of Liver and Biliary Science, New Delhi (**External expert**).
7. **Dr. Shilpi Minocha**, Assistant Professor, Kusuma School of Biological Sciences, INDIAN INSTITUTE OF TECHNOLOGY DELHI, Hauz Khas, New Delhi- 110016, INDIA (**External expert**).
8. Ministry of Family and Health Welfare, Nirman Bhawan, New Delhi. (**DGHS nominee**)

Thanking you

Best regards

  
**Dr. Rupesh K. Srivastava**  
Additional Professor,  
Translational Immunology, Osteoimmunology & Immunoporosis Lab (TIOIL)  
An ICMR-Collaborating Centre of Excellence in Bone Health  
Department of Biotechnology,  
All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi-110029



**DEPARTMENT OF BIOTECHNOLOGY  
ALL INDIA INSTITUTE OF MEDICAL SCIENCES**

Ansari Nagar, New Delhi – 110029

Dated: 09/07/2025

A Technical Specification Committee Meeting has been fixed on **22/07/2025 at 10.30 AM** in the Seminar Room, Second Floor, Department of Biotechnology, AIIMS, New Delhi -29.

S. No.	Name of the Items	Approx. Cost
1.	Metabolic Analyzer	< 1Cr
2.	Single Cell Capture System	< 1Cr


The following members of the **Departmental Store Technical Specification Committee** are requested to attend the above said meeting.

1.	<b>Dr. Rupesh Kumar Srivastava</b> , Additional Professor, Department of Biotechnology	Chairman
2.	<b>Dr. Anushree Gupta</b> , Additional Professor & Head, Department of Biotechnology, All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi-110029.	Head, Department of Biotechnology (Member)
3.	<b>Dr. Angel Ranjan</b> , Additional Professor, Hospital Administration, AIIMS, Ansari Nagar, New Delhi-110029	M.S Nominee (Member)
4.	<b>Dr. Kalpana Luthra</b> , Professor & Head, Department of Biochemistry, All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi-110029.	Head of Department of the related discipline (Member)
5.	<b>Dr. Sumit Rathore</b> , Associate Professor, Department of Biotechnology, All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi-110029.	Member (store In-charge)
6.	<b>Dr. Jaswinder Singh Maras</b> , Associate Professor, Department of Molecular and Cellular Medicine, Institute of Liver and Biliary Science, New Delhi	External Expert
7.	<b>Dr. Shilpi Minocha</b> , Assistant Professor, Kusuma School of Biological Sciences, INDIAN INSTITUTE OF TECHNOLOGY DELHI, Hauz Khas, New Delhi- 110016, INDIA	External Expert
8.	<b>Dr. Amita Bali</b> , CMO, (SAG)-DDG (P), Dte.	DGHS Nominee


*g nominali  
Dr. Bhupendra to  
attend the meeting*

*Anushree  
14/07/25*

Distribution as above:

 **डॉ. रुपेश कुमार श्रीवास्तव/Dr. RUPESH KUMAR SRIVASTAVA**  
अपर आचार्य/Additional Professor  
जैव प्रौद्योगिकी विभाग/Dept. of Biotechnology  
अ. मा. आ. नई दिल्ली/A.I.I.M.S., New Delhi-1100

**Chairman**  
(Technical Specification Committee)  
Department of Biotechnology  
AIIMS, New Delhi – 110029

 **डॉ. अनुश्री गुप्ता/Dr. Anushree Gupta**  
अपर आचार्य एवं अध्यक्ष/Additional Professor & Head  
जैव प्रौद्योगिकी विभाग  
Department of Biotechnology  
अ. मा. आ. नई दिल्ली/A.I.I.M.S., New Delhi-29



**All-India Institute of Medical Sciences  
Ansari Nagar, New Delhi-29  
(RESEARCH SECTION)**

**Ref. No. 09/Prop/BioT/R.K.S/25-26/RS**

**Dated: - \_\_\_\_\_**

**Subject: Procurement of High Throughput Single Cell Capture and Analysis system.**

\*\*\*\*\*

The request has been received **Dr. Rupesh Kumar Srivastava, Additional Prof. Dept. of Biotechnology, AIIMS** to Purchase the subject item from **M/s Becton Dickinson India Pvt Ltd., Mfg:- M/s. Becton Dickinson & Co. USA** on proprietary basis. The proposals submitted by **(M/s Becton Dickinson India Pvt Ltd., Mfg:- M/s. Becton Dickinson & Co. USA)** and Performa Invoice and Departmental PAC certifications are attached.

The above documents are being uploaded for open information to submit objections, nature of the equipment/item within issue of 15 days **09/Prop/BioT/R.K.S/25-26/RS**. The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before \_\_\_\_\_ **upto 12:00 p.m.**, failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

**STORES OFFICER (RS)**

**Encl: Related documents enclosed.**

- 1. PAC Certificate enclosed.**
- 2. Performa Invoice.**



**All-India Institute of Medical Sciences  
Ansari Nagar, New Delhi-29  
(RESEARCH SECTION)**

**Ref. No. 09/Prop/BioT/R.K.S/25-26/RS**

**Dated: - 08/08/2025**

**Subject: Procurement of High Throughput Single Cell Capture and Analysis system.**

\*\*\*\*\*

The request has been received **Dr. Rupesh Kumar Srivastava, Additional Prof. Dept. of Biotechnology, AIIMS** to Purchase the subject item from **M/s Becton Dickinson India Pvt Ltd., Mfg:- M/s. Becton Dickinson & Co. USA** on proprietary basis. The proposals submitted by **(M/s Becton Dickinson India Pvt Ltd., Mfg:- M/s. Becton Dickinson & Co. USA)** and Performa Invoice and Departmental PAC certifications are attached.

The above documents are being uploaded for open information to submit objections, nature of the equipment/item within issue of 15 days **09/Prop/BioT/R.K.S/25-26/RS**. The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before 23/08/2025 **upto 12:00 p.m.**, failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

**Encl: Related documents enclosed.**

- 1. PAC Certificate enclosed.**
- 2. Performa Invoice.**

**STORES OFFICER (RS)**





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New Delhi

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# Procurement of High Throughput Single cell Capture and Analysis system

Last Updated On : 08 Aug 2025

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