

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-29.
STORES SECTION (DO)**

Ref. No. 13/Stores(DO)/Biotech/PAC/2018-19/FSC

Dated-08/10/2018

Sub:- Purchase of "Multi Mode Microplate Reader with Imaging Capability" for the Department of Biotechnology at AIIMS, New Delhi-110029, on proprietary basis Inviting comments thereon.

The Institute is in the process to purchase "Multi Mode Microplate Reader with Imaging Capability" for the department of Biotechnology at AIIMS, New Delhi from M/s. Biotek Instruments Inc., U.S.A through M/s. Medispec (I) Pvt. Ltd. The PAC Certifications by M/s. Biotek Instruments Inc. as well as the user department are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within 15 day from the date of issue/uploading of the notification giving reference No. 13/Stores(DO)/Biotech/PAC/2018-19/FSC. The comments should be received in office of Stores Officer (FSC), Store Section (DO), Animal House Building, Near Biotechnology Building at AIIMS on or before 23/10/2018 upto 12.30 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.

Yours faithfully,


SR. STORES OFFICER (DO)

Encl: Related documents enclosed.

On Proprietary basis

No of Units: 1

Approximate cost: 25 lakhs

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Technical Specifications for Multi-mode Microplate Reader with Imaging Capability

The instrument should be compact and bench top model with the following features:

1. The machine should have the following detection Modes:
UV-VIS absorbance, Fluorescence intensity, Luminescence (glow), Time- resolved Fluorescence.
 - a) absorbance Range - 200-900 nm monochromator based with 1 nm increment
Read method should include endpoint, kinetic, spectral scanning, well area scanning.
Capacity to measure OD range 0 - 4.0 OD
Detector for absorbance - photo-diode.
 - b) fluorescence intensity: - 250-700 nm
Reading method: with the top probe.
Detector - PMT
 - c) Luminescence 300-700 nm
Detector- PMT
2. Light source for absorbance and fluorescence: Xenon flash lamp.
3. The machine should have at least two shaking modes available i.e. linear and orbital
4. Temperature control: Incubation at ambient temperature (4°C to 45°C) with condensation control.
5. Plate compatibility: Should be compatible with a broad range of plates including 6-well, 12-well, 24-well, 48-well, 96-well, 384-well.
6. The machine should have the capability to estimate nucleic acids (DNA/RNA) in 2-3 microliter sample volume. The appropriate accessory plate/module to estimate nucleic acids should be provided.
7. The machine should come with quartz cuvettes/bio cell (at least 6 each for fluorescence and absorbance for each machine) and microplates (at least 50 each for fluorescence, absorbance and luminescence for each machine) over entire wavelength range.
8. The machine should have imaging capabilities with the following features:

Imaging camera: - 16-bit camera CCD with 1.2 mega-pixel

Should have the option to image 6-well, 12-well, 24-well, 48-well, 96-well, 384-well microplates, and microscope slides.

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Light source: High power LED.

Imaging method: single colour image capture, Image Zoom, Image focus.

Colors: - DAPI and GFP, with a provision to add at least 2 more colors for Imaging.

LED: - 365 nm and 470 nm.

The instrument should be supplied with 10 X or 20 X objective lens, and should have the capacity to hold at least 2- objectives lenses

9. The instrument should be supplied with all in one branded computer with minimum 8 GB RAM and 1TB Hard disk with latest i processor along with online UPS (1KVA) with minimum half an hour backup. The machine should be compatible with Wi-Fi connectivity and should have ports for data transfer (HDMI and USB).

10. Software integrated system- to have data acquisition, analysis and management capabilities. Should allow cross-plate analysis and custom calculations. Software should be upgradable Free of cost during the lifetime of the instrument and should be supplied with minimum 3 software licenses.

11. Power consumption of the instrument should be compatible with Indian Electrical supply.

12. Provide all cables/accessories for operating the equipment and use all features.

13. The machine should have the provision for future upgradation of the following features:

a. There should be a provision for higher objectives like 40X or 60X with upgraded software.

b. Machine should be upgradable to higher software with a capability of montage, Z-stacking, time lapse Imaging, Image- stitching. Software should be upgradable Free of cost during the lifetime of the instrument and should be supplied with a minimum 3 software licenses.

c. There should also be an upgrade option available to image T25 flask, petri and cell culture dishes with suitable adapters. There should be a CO₂ and O₂ gas controller option for live cell imaging.

d. Machine should be upgradable to add Injectors for flash luminescence and ATP assays.

e. Price to be quoted of upgrades listed under 13 a, 13 b, 13 c and 13 d along with the upgraded software.

14. The machine should be CE (Europe)/UL /EMC/CSA certified.

Other Requirements:

1. To provide onsite training in various application as required for a minimum period of 3 years

2. Biannual preventive maintenance should be provided.

3. Vendor should submit an undertaking from manufacturer to take the responsibility of

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maintenance in case of merger or acquisition.

4. Warranty: 5 years comprehensive warranty (including all spares (including light source) and labor)

5. 5 years CMC (6th-10th year) after completion of the warranty period with spares and labor.

6. Spares parts:

- a) The separate price list of all spares and accessories (Including minor) required for maintenance and repairs in future after warranty period must be attached/enclosed along with the sealed quotation without which this quotation will not be considered.
- b) Performance Bank guarantee for 10% of the total cost shall be submitted by the successful bidder valid till the warranty period.

8. Penalty clause as per standard.


- a. During the Guarantee period, the instrument should be able to provide 95% uptime efficiency of 365 days (24 hrs). If downtime is more than 5%, the Institute shall be entitled to impose penalty equal to amount of 1% of the total cost of the equipment per day for the first seven days will be payable by the vendor which will doubled on subsequent weeks along with extension of guarantee period by the excess down time period. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least Five Years after handing over the unit to the Institute. If accessories/other attachment of the system are procured from the third party, then the vendor must produce cost of accessory/other attachment and the CAMC from the third party separately along with the main offer and the third party will have to sign the CAMC with the Institute if required.
 - b. The principals or other agents are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.
7. Only Principal Companies or Authorized Distributors from Principal companies should quote. Quotations from non - authorized distributors will not be entertained. Features in the quotations should be substantiated with proper Principal Company Catalogue.
8. Copies of all certifications e.g. Quality Standard certificate, Proprietary Item/parts, Patent of parts/ technology, Principal company/Authorised Distributorship should be attached with the quotations.
9. In-House service Engineers from principal company/ or authorized agents should be available in India on 24-hour notice basis in case of emergency (this will apply for those equipment wherein this clause is not built into the specification).
10. Compliant points should be given (in the sheet) in order of the specifications' serial order. Compliant points should be highlighted in the company catalogue with page number.


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11. Catalogue and user list of equivalent system operational at Govt. Institution/reputed private institutions to be provided with telephone numbers and email addresses. Should have quality and performance certification from end users (recent; preferable within 2 years).


13. The tender should be floated in 2-bid system.

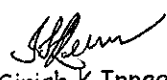
14. In the technical bid, certificate from the manufactures to give guarantee that in case authorized agent is changed from the time of purchase, uninterrupted service will be provided by the new agency whosoever is now authorized to represent the original manufacturer failing which their bids are liable to be rejected.



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Prof. Kalpana Luthra,
Professor
Deptt. of Biochemistry


Rep. of Medical Superintendent

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110029

PROPRIETARY/SPECIFIC GOODS CERTIFICATE

1. Item/Type/Model No. required : Multimode Microplate Reader
2. Is the item a spare parte attachment or accessory for an existing equipment. : No
3. Name of the manufacturers/supplier : M/s. Biotech Instruments, USA
4. Are they sole manufacturers/sold distributors of the item. : Yes,
5. Is there any other item with similar/ equivalent specification available in the Market to meet the job requirement envisaged. If the answer is yes, why the same can't be procured. Demanding officer should bring out comparative functional advantages/cost effectiveness of the recommended item from these offered by other. : Not available to the best of our knowledge
The equipment has detection (multi-mode) and imaging upto 40x 80x along with the capacity to read flasks T25 & T75. All these features are available in one single machine making it a proprietary item. A patent certificate is attached. *Uthra*
6. What were the efforts made the locate other substitutes. : Through net search and local dealers
7. Why open/limited tender can't be Resorted to for locating alter native source. : Because Goods is proprietary item
8. Are the proprietary items certifying that the rates are reasonable or not. : Rates are reasonable proprietary certificate enclosed
9. Any other justification for procuring : Item most suitable for research work.

Uthra
Signature of Indentor
(Demanding Officer)

Uthra
COUNTERSIGN
(Head of the Department)

I certify that the item at Sr. No. 1 above is required to be procured on single tender basis as the source of supply is definitely known/the specified brand proposed was advantages in meeting our functional requirement and limited tender system could be dispensed with as they would serve no useful purpose in this particular case.

(Strike out whichever in not applicable)

Vikram
(Vikram)

Sharma

Sharma
Kapoor

Sharma



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October 3, 2018

TO WHOM SO EVER IT MAY CONCERN

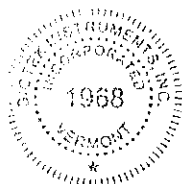
PROPRIETARY CERTIFICATE

This is to state and confirm that Cytation™1 Cell Imaging Multimode Microplate Reader is our proprietary product and to the best of our knowledge we are the only manufacturer. This intellectual property is protected by the US patent 9,557,217 for imaging and microplate reading in a single instrument.

Features being - True automated digital Microscopy (Fluorescence and High Contrast Brightfield) and Multi-mode detection in one single system. Have multiple Microscope objective capacity ranging from 1.25 X to 60 X. Multiple microscopy color channels (up to 4 channels) especially DAPI, FITC, Propidium Iodide (PI) and more. 1.25X to 60X magnification covers broad imaging applications including imaging of plates (with 6- to 1536-well microplates), microscopic slides, petri-dishes and culture flasks (T25 etc). 16-bit CCD camera for dynamic range of >65,000 fluorescence units.

BioTek Instruments, Inc.

Steven Fisher
Regional Sales Manager – Asia Pacific / Middle East / Africa



U. Tyagi
डॉ. जय शिवसुखी त्यागी
Dr. Jaya Shivsukami Tyagi

आचार्य एवं विभागाध्यक्ष / Prof. & Head
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