

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

Ref. No. 52/Stores(DO)/Pead/PAC/2019-20/FSC-I Dated-06/03/2020

Sub:- Purchase of "Spectrofluorimeter (buy back basis) – 01 No." for the Department of **Pediatrics** at AIIMS, New Delhi-110029, on proprietary basis inviting comments thereon.

The Institute is in the process to purchase "Spectrofluorimeter (buy back basis) – 01 No." for the department of **Pediatrics** at AIIMS, New Delhi from M/s. Molecular Devices LLC, USA through M/s. Spinco Biotech Pvt. Ltd. The PAC Certifications by M/s. Molecular Devices LLC, USA 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. 52/Stores(DO)/Pead/PAC/2019-20/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 23/03/2020 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.

Specifications of Spectro fluorimeter System

- A Spectro fluorimeter system should have Dual Monochromator
- Dual mode in built – cuvette port (verticle)/Plate for Absorbance and Fluorescence and top- and bottom-reading capabilities.
- The Spectro fluorimeter system should have detection modes such as Fluorescence, absorbance detection.
- System capable of measuring end- points, kinetics, spectrum and area well scanning read types.
- System should be capable of reading absorbance and fluorescence in standard, commercially-available cuvettes and micro cuvettes, 12 x 75 mm test tubes, and 96- or 384- microplates.
- The reader should have a dual mode built-in cuvette port and a micro plate drawer and all reads can be performed with a single wavelength selection operation.

General Specification

Plate formats : 6 to 384 wells and Cuvette Port
Light Source : Xenon Flash Lamp (1Joule/Flash)
Detector : Silicon Photodiode & Photomultiplier Tube

Temp Control : ambient to 45 Deg.C,

Temp Accuracy : +/-1 Deg C at 37 °C set point,

Reading Modes : End point reading/ Kinetic reading/ Spectral,

Scanning : All Modes

Well Scanning : Abs, FI, TRF, Lum

Reading Capabilities in absorbance/Fluorescence mode : Cuvette or Microplate

Wavelength Range : 200-1000nm,
Wavelength Selection : Dual Monochromator
Wavelength Bandwidth : <4.0nm(Ab), 9, 9nm(FI,Ex &Em)
Wavelength Accuracy : +/-2.0nm,
Photometric Range : 0 to 4.0 OD,
Photometric Resolution : 0.001 OD;
Top reading sensitivity : 5 pM

Auto PMT : System should have Automatic Photomultiplier Tube(PMT) setting that adjusts the optimum voltage for each well's sample concentration and then normalizes the raw data to show Relative Fluorescence Units (RFU) values.

- Latest Software Compatible system with inbuilt protocols with printer which provides data acquisition, analysis and management capabilities, allowing cross-plate analysis

and custom calculations. Software should be upgraded if required free of cost during the warranty and CMC period (5+5 years) including spare parts and labor with suitable UPS backup at least for 1 hr.

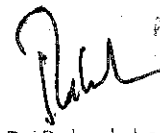
- The system should have a temperature independent Path Check sensor technology to reproduce the data similar to that of 96 and 384 cuvettes values as in spectrophotometer and without a need to export the data to a spreadsheet.
- There should be a provision of standby machine or facility provided by vendor in down time of machine. and down time should not be more than 24-48 hours
- Machine calibration and preventive maintenance should be maintained timely (quarterly) by the vendor.
- Cuvettes sets and adpater for absorbance(0.7 and 1 ml) and fluorescence should be provided with instruments(Free of cost, 0.7 ml)

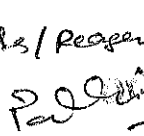
• ^{Other} No consumables are required ^{in form of chemicals/Reagents}

Technical specification committee members


Dr Madhulika Kabra


Dr Rachna Seth



Dr Rakesh Lodha


Dr. PALLAVI MISHRA
Biochemist
Gd. Floor Genetic Unit,
Dept. of Pediatrics,
AIIMS, New Delhi-110029

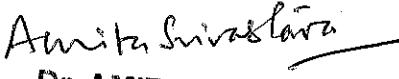
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आचार्य / Professor
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प्रयोगशाला चिकित्सा विभाग / Deptt. of Laboratory Medicine
अ.भा.आ.सं., नई दिल्ली / AIIMS, New Delhi-29



13

October 29, 2015

TO WHOMSOEVER IT MAY CONCERN

We at Molecular Devices do hereby confirm that Spinco Biotech Pvt Ltd, No.4, Vaidyaram Street, T. Nagar , Chennai – 600017 is an exclusive distributor of all Molecular Devices' Microplate Readers, Washers, CEP and FLIPR Products in the market/territory of India. Spinco Biotech Pvt Ltd. is authorized to promote, sell and support above listed Molecular Devices products.

SPINCOTECH PVT LTD, No.2 Hindi Prachar Sabha Street, T.Nagar Chennai – 600017, affiliate of SPINCO BIOTECH PVT LTD, will provide after- sales service to support the Molecular Devices Instruments.

Kindest regards,

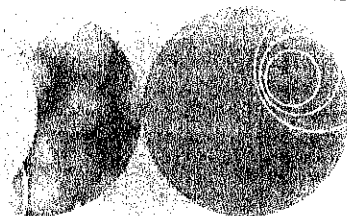
Poonam Taneja

Poonam Taneja, Ph.D., MBA
Vice President, Global Distribution

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moleculardevices.com

Pag 1



To
The Director,
All India Institute of Medical Sciences,
Ansari Nagar, New Delhi – 110029.

Dated: 1st August, 2019

TO WHOM SO EVER IT MAY CONCERN

**PROPRIETARY CERTIFICATE – MOLECULAR DEVICES - SPECTRAMAX® M2e
MULTIMODE MICROPLATE READER**

The Molecular Devices SpectraMax M2e is the only multimode microplate reader with the following performance specifications:

Available read modes - SpectraMax M2e Multimode Reader has a 2-mode cuvette port (Absorbance (ABS), Fluorescence Intensity (FI)) and 6- to 384-well microplate capabilities for both modes (ABS, FI).

Acceptable microplate types, cuvette types, test tube types - SpectraMax M2e Reader is capable of reading absorbance and fluorescence in standard, commercially-available cuvettes and microcuvettes, 12 x 75 mm test tubes, and 96- or 384-microplates. The reader contains a built-in cuvette port and a microplate drawer and all reads can be performed with a single wavelength selection operation.

Monochromator based wavelength selection for Fluorescence Intensity and Time-Resolved Fluorescence - SpectraMax M2e Reader uses Dual Monochromators for tunable FI wavelength selection between 250 nm and 850 nm for excitation and emission wavelengths, and tunable luminescence between 250 nm and 850 nm. No external filters are required for purchase in the future when additional assays are added to laboratory.

Number of wavelength pairs read - SpectraMax M2e Reader can read up to four excitation and emission wavelength pairs in a single operation for multi-fluorophore assay designs.

Applicable Patents for SpectraMax M2e Multimode Microplate Reader :

• **PathCheck Pathlength Sensor - SpectraMax M2e Reader** utilizes U.S. Patent Nos. 5,959,738, 6,188,476, 6,320,662, 6,339,472, 6,404,501, 6,496,260, and 6,995,844 for temperature-independent absorbance pathlength correction with the PathCheck Sensor. Molecular Devices is the sole source for microplate readers with the PathCheck Sensor as described in the aforementioned U.S. patents.



Dated: 04.02.2020

MANUFACTURER'S AUTHORISATION FORM

To
The Director,
All India Institute of Medical Sciences,
Ansari Nagar, New Delhi – 110029.

Ref: Purchase of "MULTIMODE MICROPLATE READER" as per TE documents.

Dear Sir,

We, Molecular Devices LLC, who are proven and reputable manufacturers of **Multimode Microplate Reader** having factories at **USA/ Singapore/China/Austria** hereby authorise Messrs **Spinco Biotech Pvt Ltd, Spinco Towers, 83&84, Perungudi, Industrial Estate, Chennai 600 096** to submit a bid, process the same further and enter into a contract with you against your requirement as contained in the TE documents for the above goods manufactured by us.

We also state that we are not participating directly in this bid for the following reason:
Absence of registered operational entity in India.

We further confirm that no supplier or firm or individual other than Messrs. **Spinco Biotech Pvt Ltd, Spinco Towers, 83&84, Perungudi, Industrial Estate, Chennai 600 096** is authorised to submit a bid, process the same further and enter into a contract with you against your requirement as contained in the referred TE documents for the above goods manufactured by us.

Palai

Madhulika

1-800-025-6177
408-747-1700
408-747-3601

MOLECULARDEVICES.COM



We also hereby extend our full warranty, CAMC as applicable as per the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.
CAMC/AMC contracts shall be executed by Spincotech Pvt Ltd, Chennai.

We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorized agent and the spares for the equipment shall be available for the next 10 years from the date of supply of equipment.

We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorized agent.

For Molecular Devices LLC

A handwritten signature in dark ink, appearing to be "Bala Periasamy", written over a horizontal line.

Bala Periasamy
General Manager - India

Handwritten signature

Proprietary Article Certificate (PAC) (Machinery & Equipment)

- (i) The indented goods are manufacture by M/s..... Molecular Devices
- (ii) Item Name: Spectrofluorimeter
- (iii) Model No: Spectramax M2e
- (iv) Vital Technical Performance Parameters required which makes the
(1) M2e Multimode reader they a 2 mode current
Port (Abs, Fluor) and microcuvette, 12x75mm test tube
(2) Path check sensor for temperature independent absorbance path
requirement proprietary length correlation with the path check sensor
(3) AutoPMT - system have automatic photomultiplier tube
(PMT) setting that adjust the optimum voltage for each well
sample correction and then normalise the raw data to known
- (v) No other make or model is acceptable for the following relative to value

reasons:..... (1) Same as above 3 points.

(2) As we are involved in work related with
Inborn error of metabolism, our most of the
work are dependent on multimode reader. Some
time it is required to have cuvette as well as plate
(96) mode. Most of our enzyme has been standardize
in both of these mode simultaneously.

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

Sh. Anshu
10/7/2020

Dr. Pallavi Mishra
Gd. Floor, Genetic Unit,
Dept. of Pediatrics.

With Name, Designation, Department and Hospital/Institute/Center

##Note: TSEC should clearly mention the vital requirements which end user essentially require and are manufactured by only
one manufacturer mentioned in Serial No. (i).

Dr. Madhulika Kabra / Professor
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DMQ Regn. No. 16800

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