

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

Ref. No. 05/Prop/CCRF/AIIMS/18-19/ST

Dated: 15.09.2018

Subject: Purchase of Multimode Microplate Reader System.

To purchase the subject item from M/s Medispec(I) Ltd. (Mfg. by M/s Biotek Instruments, Inc, Africa) on proprietary basis. The proposal submitted by M/s Medispec(I) Ltd. and Performa Invoice 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 issue of 15 days giving reference **No. 05/Prop./CCRF/AIIMS/18-19/St.** The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before **29/09/2018 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

PROPRIETARY EQUIPMENT

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

Dated: 25/08/2018
Ref.: 15-MIL-N-08-1786-BTQ
Validity: 120days

Attn.: Dr. Jaya Tyagi
Department of Biotechnology

Sub.: Quotation for the supply of Cell Imaging Multimode Microplate Reader.

SR. NO.	CAT. NO.	DESCRIPTION	Qty.	USD Per Unit	PRICE IN USD-(4 Qty)
1.	CYT1-FAV	<p>Cytation™ 1 Cell Imaging Multi-Mode Reader Cytation 1 with fluorescence and high contrast brightfield imaging, filter-based fluorescence and luminescence, monochromator-based UV-Vis absorbance. Includes imaging controller and Gen5 Software.</p> <p>General: Microplates: 6- to 1536-well microplates, 1.0" maximum height Temperature control: 4-Zone™ incubation to 45 °C with Condensation Control™ Shaking: Linear, orbital, double orbital. Software: Gen5™ Microplate Reader and Imager Software included.</p> <p>Imaging: Imaging modes: Fluorescence and high contrast brightfield. Imaging methods: Single color, multi-color, montage, time lapse, Z-stacking Light source: High power LEDs. Camera: 16-bit gray scale, Sony CCD, 1.25 megapixel. Resolution: 0.3 µm/pixel at 20x. Filter cube capacity: Up to 4 onboard, user-replaceable cubes. Colors available: More than 15 colors. Objective capacity: 2 onboard, user-replaceable objectives. Automated functions: Autofocus, user-trained autofocus, autoexposure, auto-LED intensity. Autofocus methods: Image-based autofocus.</p> <p>Fluorescence Intensity: Light source: Xenon flash lamp. Detector: PMT. Read methods: End point, kinetic, area scanning, inject/read process. Wavelength selection: Deep blocking bandpass filters/dichroic mirrors. Dynamic range: 7 decades. Sensitivity: Fluorescein: 0.25 pM (0.025 fmol/well, 384-well plate). Read speed: 96 wells: 11 seconds; 384 wells: 22 seconds.</p> <p>Luminescence: Sensitivity: 10 amol ATP (flash); 100 amol (glow). Read modes: End point, kinetic, area scanning, inject/read process. Fluorescence Polarization Sensitivity: 1.2 mP standard deviation at 1nM fluorescein. Wavelength range: 400 – 700 nm. Read modes: End point, kinetic, inject/read process.</p> <p>Time-Resolved Fluorescence: Sensitivity: Europium 40 fM (4 amol/well, 384-well plate)</p>	01	35,400	1,41,600.0



MEDISPEC (I) LTD

A WING, 601, LOTUS CORPORATE PARK, JAY COACH, OFF W. E. HIGHWAY, GOREGAON EAST. MUMBAI - 400 062, INDIA
TEL.: +91 7718810036 / 37 EMAIL: medispec@medispec.com

	Absorbance: Light source: Xenon flash lamp Wavelength selection: Monochromator Wavelength range: 200 – 999 nm, 1 nm increment Bandwidth: 2.4 nm Dynamic range: 0 – 4.0 OD Resolution: 0.0001 OD Includes Gen5 Data reduction software for computer control Includes; multilevel transformations, cutoff, Validation formulas & flexible reading modes for variety of applications. Power: 100-240 VAC, 50/60 Hz (24VDC external power supply, 160W min) Dimensions: 20" D x 16.5" W x 17.5" H (50.8 cm x 41.91 cm x 44.5 cm) Weight: 65 lbs (29 kg).		
1220518	20 x Imaging objective		
1220544	40x Imaging objective	02	
1225100	DAPI filter cube	02	
1225101	GFP filter cube	04	
1225007	365 nm LED cube	04	
1225001	465 nm LED cube	04	
	Multi-Volume plate: Microspots: Up to Sixteen 2µL samples can be run at one time for direct nucleic acid and protein quantification. BioCell locations available for quick 1cm pathlength measurements. A standard stoppered cuvette can be measured. Sample Volume: Minimum 2µL in microspot locations Optical Pathlength: 0.5mm, Detection Limit: 2 ng/µL	04	
Take3			
1650516	4 position slide holder	04	
7272051	Quartz cuvettes/bio cell for fluorescent and absorbance	12	
			Total F.C.A., USA
			Add: Estimated Freight & Insurance Charges
			Total CIP, IGI New Delhi Airport
			1,40,800.0
			1,200.0
			1,42,000.0

OPTIONAL ACCESSORIES FROM BIOTEK INSTRUMENTS INC. USA

A	1220519	4X Imaging Objective	01	\$ 1,900.00
B	1220518	10 X Imaging Objective	01	\$ 2,960.00
C	1220517	20 X Imaging Objective	01	\$ 4,700.00
D	1220544	40X Imaging objective	01	\$ 6,900.00
E	1220545	60X Imaging objective	01	\$ 12,300.00
F	Gen5IPLUS	Gen5 I plus Software with features offering advanced image processing and analysis. License for 3 installations.	01	\$ 9,800.00



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 TEL : +91 7718810036 / 37 EMAIL : medispec@medispec.in WEB : www.medispec.in CIN : U24230MH1995PLC091742
 AHMEDABAD - BANGALORE - CHANDIGARH

63. INC
 SPLC091
 LUCKN

G	1210013	CO ₂ and O ₂ gas controller, white, Includes CO ₂ and N ₂ flow meters & tubing set (p/n 1213033 and p/n 1213032).	01	\$ 9,000.00
H	8040030	Dual reagent injector module, white, Includes module, two syringes, tubing, two 30 mL bottles and injector feedthrough assembly.	01	\$ 7,800.00
I	1222240	Petri dish adapter, 2 x 35 mm dishes	01	\$ 415.00
J	1222241	Petri dish adapter, 60 mm dish	01	\$ 415.00
K	1222242	Petri dish adapter, 100 mm dish	01	\$ 545.00
L	1222210	T25 Flask adapter	01	\$ 392.00
M	1450541	Multi-Vessel Adapter	01	\$ 517.00
N	1760012	(HP Desktop Mini) – COMPUTER FROM USA Windows version Win 10 Professional 64 bit Processor Intel 7500 i5 RAM 8GB Hard Drive 512GB SSD USB Ports 4 USB 3.0 (2 front/2 back), 2 USB 2.0 (back)* Pre-loaded software Adobe Acrobat Reader Office Installer File** WiFi, Bluetooth No • 24" LED color monitor (PN 02346) • Keyboard & mouse • Installation instructions (PN 1761009) • Power cords	01	\$ 1,800.00

ACCESSORIES FROM INDIAN MARKET- FREE OF COST :

a.	--	Microplates for Fluorescence, Absorbance, Luminescence.	100	FOC
b.	--	Suitable all in one branded computer with 8 GB RAM, 1TB Hard disk with i5 processor Wi-Fi connectivity, USB Ports for data transfer or equivalent	04	FOC
c.	--	Suitable online UPS (1KVA) with minimum half an hour backup.	04	FOC

*Inclusive of taxes

Contd...4



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 TEL : +91 7718810036 / 37 EMAIL : medispec@medispec.in WEB : www.medispec.in CIN : U124230MH100591C001242

FILTER LIST WITH PRICES FOR IMAGING.

Description	Excitation	Emission	Mirror	P/N	Description	
DAPI filter cube	377/50	447/60	409	1225007	365 nm	\$3,704
GFP filter cube	469/35	525/39	497	1225001	465 nm	\$3,704
Texas Red filter cube	586/15	647/57	605	1225002	590 nm	\$3,704
RFP filter cube	531/40	593/40	568	1225003	523 nm	\$4,020
YFP filter cube	500/24	542/27	520	1225004	505 nm	\$4,020
CY5 filter cube	628/40	685/40	660	1225005	623 nm	\$4,020
CY7 filter cube	716/40	809/81	757	1225006	740 nm	\$4,020
CFP filter cube	445/45	510/42	482	1225001	465 nm	\$4,020
Acridine Orange filter cube	469/35	647/57	605	1225001	465 nm	\$4,020
CFP-YFP FRET filter cube	445/45	542/27	482	1225001	465 nm	\$4,020
Propidium Iodide (PI) filter cube	531/40	647/57	605	1225003	523 nm	\$4,020
Chlorophyll A filter cube	445/45	685/40	482	1225001	465 nm	\$4,020
Phycocerythrin (PE) filter cube	469/35	593/40	568	1225001	465 nm	\$4,020
CY5.5 filter cube	647/57	794/160	695	1225008	655 nm	\$4,020
TagBFP filter cube	390/18	447/60	409	1225009	390 nm	\$4,020
GFP excitation - CY5 emission	469/35	685/40	660	1225001	465 nm	\$4,020
RFP excitation - CY5 emission	531/40	685/40	660	1225003	523 nm	\$4,020
CFP FRET V2 filter cube	400/40	482/25	442	1225011	405 nm	\$4,020
CFP/YFP FRET V2 filter cube	400/40	550/49	442	1225011	405 nm	\$4,020
377 / 647 filter cube	377/50	647/57	409	1225007	365 nm	\$4,020
Oxidized roGFP2 filter cube	400/40	525/39	442	1225011	405 nm	\$4,020
400 / 647 filter cube	400/40	647/57	442	1225011	405 nm	\$4,020



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Email: sales@biotek.com
www.biotek.com

August 6, 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 & to best of our knowledge we being the only manufacturer. Features being - True automated digital Microscopy (Fluorescence and High Contrast Brightfield) and Multi-mode detection in one system. Have multiple Microscope objectives capacity. Multiple microscopy color channels. 1.25x to 60x magnification cover broad imaging applications. 16-bit CCD camera for dynamic range of >65,000 fluorescence units. compatible with 6- to 384-well microplates, slides and T25 cell culture flasks. Dual reagent injectors, able to automatically dispense reagents in all detection modes. Autofocus, autoexposure, auto-LED intensity adjustments. Optical system consist of monochromator absorbance optical system for flexibility with a filter-based fluorescence optical system for high performance in the same instrument and gas controller option to monitor and control of CO2 and O2 levels to support live cell assays.

BioTek Instruments, Inc.

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

