



All India Institute of Medical Sciences Jodhpur

Admn/Prop/16/2017-AIIMS.JDH

Dated: - 01st November 2017.

Subject: Purchase of Nano-Drop Spectrophotometer for the department of Biochemistry at AIIMS, Jodhpur on proprietary basis - **Inviting comments thereon.**

The Institute is in the purchase Nano-Drop Spectrophotometer for the department of Biochemistry at AIIMS, Jodhpur from M/s Thermo Fisher Scientific 5225 Verona Road, Madison WI 53711 USA on proprietary basis. The proposal submitted by M/s Astronic Equipment Company, Anubhuti 2/684, Malviya Nagar, Jaipur, Rajasthan, India and PAC certification by user are attached.

The above document are being uploaded for open information to submit subjection, comments, if any from any manufacturer regarding proprietary nature of the equipment within 21days of issue giving reference Admn/Prop/16/2017-AIIMS.JDH. The comments should be received by office of Administrative Officer, Medical College at AIIMS, Jodhpur on or before 22nd November 2017 upto 03:00 PM 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,

Administrative Officer

Enclosed: Related documents enclosed.



All India Institute of Medical Sciences Jodhpur

TECHNICAL SPECIFICATION OF NANODROP SPECTROPHOTOMETER

Computer Controlled low volume UV-VIS Spectrophotometer with following specifications

Wavelength Range: 190-850 nm or better

Minimum Sample Size: 1 μ L

Pathlength: (auto-ranging 0.03 to 1 mm)

Light Source: Xenon flash lamp

Detector Type: 2048-element linear silicon CCD array

Wavelength Accuracy: +/- 1 nm

Spectral Resolution: <1.8 nm (FWHM @Hg 254 nm)

Absorbance Accuracy: \pm 3% (at 0.97 absorbance at 302 nm)

Absorbance Range: Pedestal-0-550 A (10 mm equivalent) Cuvette: 0-1.5 A

Detection Limit : Pedestal: 2 ng/ μ L dsDNA, Cuvett :0.2 ng/ μ L

Maximum Concentration: 27,500 ng/ μ L (dsDNA)

Measurement Time: < 8 seconds

Sample pedestal Material of Construction: 303 stainless steel and quartz fiber

Touch Screen: 7 inch colour display, android based Quad Core ARM Cortex A-9 Processor

Internal Storage: 32 GB flash Memory

Audio : Built in Speaker

Software should have feature to identify the contaminants in the sample and report a corrected concentration. It should also detect the bubbles and anomallers in the sample column.

Options should also be available for use with cuvette measurements:

Pathlength : 0.03 to 1 mm (auto ranging).

Stirrer speed : Nine speed settings.

Heater : 37 $^{\circ}$ C Heating facility of cuvette holder shall be offered with the accuracy of \pm 0.5 $^{\circ}$ C. When selected, the current temperature of the cuvette shall be displayed at software screen. Heating Time : 1-10 minutes for the cuvette holder to reach 37 $^{\circ}$ C.

Windows based software shall be offered to display data in graphical form and numerical form. Powerful, user-friendly software with ten preconfigured modules and method editor.



All India Institute of Medical Sciences Jodhpur

ThermoFisher
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in serving science

TFSIPL/HYD/22/17
August 30, 2017

The Administrative Officer
All India Institute of Medical Sciences
Jodhpur

Authorization Letter

Dear Sir

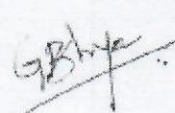
We Thermo Fisher Scientific, who are official manufacturers of Nanodrop Spectrophotometer having factories at 5225 Verona Road, Madison WI 53718, USA. Ours is a 100% subsidiary of the same in India with the name of Thermo Fisher Scientific India Private Limited

We do here by authorize Messrs ASTRONIC EQUIPMENT COMPANY, JAIPUR to submit a Quote, negotiate (as and if necessary) and conclude the contract with you against there quote.

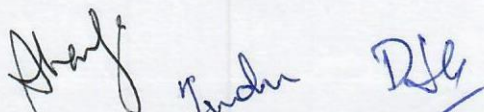
However after execution of the order against tender referred above, Thermo Fisher Scientific India Private Limited will install the system, will cater after sales service during warranty period

Should you require any clarification or additional information, please feel free to contact us at the addresses mentioned below. We will be glad to serve you.

Yours Sincerely,
For Thermo Fisher Scientific India Private Limited,


Authorized Signatory







All India Institute of Medical Sciences Jodhpur

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7 December, 2015

Dear Valued Customer,

This letter serves as notification that Thermo Fisher Scientific is the sole source provider of the Thermo Scientific™ NanoDrop™ One and the NanoDrop™ One^o UV-Vis microvolume spectrophotometers. The NanoDrop One instruments are full spectrum spectrophotometers that can quantify and qualify RNA, DNA and protein samples in seconds using only 1-2 microliters of sample.

The NanoDrop One Spectrophotometer delivers the following differentiating benefits and features:

1. Is a standalone instrument with local control and a high resolution touchscreen interface. Touchscreen display accommodates front to back tilt and left to right slide adjustments.
2. Uses a patented (US patents 6,828,382 and 6,809,826) sample retention system that enables direct measurements of sample loaded directly onto a polished stainless steel pedestal and allows for easy cleaning with no carryover using a laboratory wipe.
3. Supports the following applications: Nucleic Acid A260, (includes A260/A280, A260/A230 purity ratio information) and Microarray (labeled nucleic acids); Protein A280, Protein A205, Protein Pierce 660, Protein Bradford, Protein BCA, Protein Lowry, Proteins and Labels (labeled proteins), OD600, Kinetics*, UV-Vis*, and Custom Methods.
4. Measures 1-2 μ L of high- and low-concentration samples without need of containment devices like cuvettes, slides, chips, and accessories.
5. Auto-ranging multi pathlength technology allows for measurement of highly concentrated samples (e.g. up to 27,500 ng/ μ L dsDNA and 400 mg/mL IgG) and eliminates the need for sample dilutions.
6. Uses an embedded image sensor to provide digital image analysis monitoring for bubbles and broken sample columns.
7. Includes Auto-Blank and Auto-Measure options for increased efficiency.
8. Introduces Thermo Scientific™ Acclaro™ Sample Intelligence technology that can identify certain contaminants in nucleic acid and protein samples; reports corrected concentration of analyte.
9. Delivers valuable information about sample purity through guided troubleshooting and embedded technical support.
10. Provides PC software for viewing and analysis of measurement data collected on the local control.
11. Offers enhanced connectivity with via USB, Ethernet, and Wi-Fi* and Bluetooth*.

In addition to the features described above, the Thermo Scientific NanoDrop One^o Spectrophotometer also offers:

1. An optional cuvette position for measuring dilute samples and performing kinetic experiments.
2. Ability to make cuvette measurements with the instrument arm up or down.
3. Temperature control and stirring in the cuvette position.

Sincerely,

Voula Kodoyianni, Ph.D.
Product Manager

*coming soon

**Wi-Fi Connectivity available in certain countries. If available, your instrument is capable and includes the necessary circuitry. This feature will be enabled via future software download



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24 April 2017

This letter certifies that the Thermo Scientific™ NanoDrop™ One and NanoDrop™ One^c micro-volume UV-Vis spectrophotometers are articles of proprietary nature manufactured exclusively by Thermo Fisher Scientific, USA, and not by anyone else in the world.

The proprietary items NanoDrop™ One and NanoDrop™ One^c micro-volume UV-Vis spectrophotometers are covered under the following Thermo Fisher Scientific Molecular Spectroscopy patents:

US patent 6,628,382

US patent 6,809,826

US patent 8,189,199

US patent 8,223,338

US patent D739,771

Sincerely,

Voula Kodoyianni, Ph.D.
Product Marketing Manager
Molecular Spectroscopy

Thermo Fisher Scientific
5225 Verona Road
Madison WI 53711 USA
www.thermoscientific.com