

P-3 FORM

(to be attached with P-2 form for Proprietary items)

AIIMS Rishikesh

PROPRIETARY ARTICLE CERTIFICATE

It is certified that the items (Light microscope with Polarizer for synovial fluid crystal) required in the P-2 form should be purchased from M/s. DSS Image Tech Pvt. Ltd. To the best of my knowledge M/s. DSS Image Tech Pvt. Ltd. are the sole manufacturer/agents of the sole manufacturers M/s. Evident Corporation - Japan

Similar items manufactured by other firm(s) shall not be suitable for our purpose for the following reasons:-

(Sign of Indenter)

Dated

Designation

Department

Recommendation:

Signature of Head of Department/Section

N.B.: The indenter before recording the above certificate should satisfy himself that the article is genuinely of proprietary nature manufactured under patent laws

PROPRIETARY ARTICLE CERTIFICATE**To****11 January 2024**

Dr. Venkatesh S Pai
Clinical Immunologist & Rheumatologist,
Dept of Internal Medicine,
AIIMS Rishikesh, Uttrakhand- India

Dear Sir,

WHEREAS we, Evident Scientific Private Limited., having our registered office at 201-203, 2nd Floor, Tower – C, Unitech Cyber Park, Sector-39, Gurugram-122002, Haryana, India is a 100% subsidiary of EVIDENT CORPORATION Japan, who is established and reputable manufacturer of Olympus Microscopes and Accessories” having factories at 6666, Inatomi, Tatsuno-machi, Kamiina-gun, Nagano, Japan, do hereby certify that Olympus Microscope Model BX53 with DP 74 Camera quoted by our authorized Distributors M/s. DSS Imagetech Pvt Ltd, A-5 Moan Co-Operative Industrial Estate Mathura Road , New Delhi – 110044, vide their Quotation Ref No.: DSS/DL/PK/AIIMSRK/2024, is a proprietary item of Evident Scientific. Evident Scientific is the sole manufacturer of this item with the following specifications. The patents numbers are also mentioned for your ready reference:

- 1. Retrofitable Motorization:** Olympus BX53F2 LED Microscope offers stepwise motorization, the Olympus modular motorization concept allows you to choose the automation level depending on your requirements. Olympus BX53 microscope motorization includes motorized 7 position nosepiece with DIC Slider for DIC observation, 8-Position motorized universal condenser for all type of microscopy observation technique and motorized 8 position mirror unit turret for fluorescence which is unique in the world for more options in fluorescence microscopy. All controlled by a convenient Hand Switch and by Olympus imaging software for motorized nosepiece movement, motorized condenser movement and observation method.
- 2. White LED with High Color Rendering:** Olympus BX53F2 LED Microscope offers and utilizes a white LED with a luminosity equivalent to or better than a 100 W halogen lamp. The transmitted LED lamp has a life time of more than 50,000 hours which is highest in the world for this class of microscopes. Patent is pending for this feature and Olympus Japan has filed for the patent for this feature.
- 3. Consistent Brightness when Changing Magnifications:** The BX53F2 Microscope has a unique light intensity manager which eliminates the step of adjusting lamp brightness when changing magnification. By maintaining uniform brightness at any magnification, users can achieve their observations quickly and with reduced eye strain. This feature has been patented by Olympus in US and the Patent Numbers are as follows:

US: US8982457**US: US010133049B2****EVIDENT SCIENTIFIC PRIVATE LTD.**

Registered & Corporate Office: 201-203, 2nd Floor, Tower – C, Unitech Cyber Park, Sector-39, Gurugram-122002, Haryana, India

Telephone: +91 124-6942800

CIN (Corporate Identification Number): U33119HR2022FTC100364

4. **ACTIVE NOISE REDUCTION WITH OLYMPUS SMART IMAGE AVERAGING ON DP23 CAMERA:** The DP23 features Olympus Smart Image Averaging (OSIA), an active noise reduction technology that guarantees clean and noise-free images. In combination with the 10-bit depth, this provides an extraordinary dynamic range.
5. **INCREASED SENSITIVITY WITH 'ON-SENSOR LIGHT GUIDE' TECHNOLOGY:** On-Sensor light guide technology reduces the scattering of light inside the sensor, precisely focusing it on the individual pixels. This directly translates into a noticeable improvement in overall sensitivity, providing bright and vivid images. This technology ensures lower exposure times, which leads to a faster live image even under low light conditions and allows the light level to be kept low when switching from camera to oculars, avoiding flash blinding.
6. **TRUE COLOR ACCURACY:** The Olympus color profiling technology ensures true color fidelity and reproduction without user intervention. This fully integrated ICC color reproduction technology enables the capturing of lifelike images, preserving even the smallest details and subtle color variances. At every single stage, from oculars up to the monitor, the 'real' image will be acquired and displayed.

Certified further that no substitute make/model will serve the purpose and also that no other manufacturer can copy or produce these items in part or total for Evident – Olympus Japan Upright Trinocular Research Microscope Model BX53 with UIS2 Infinity corrected optical system Bright Field & Phase Contrast studies along with Digital Imaging System & Software.

Yours sincerely,

Evident Scientific Private Limited



Brijesh Alva

National Manager – SSBD – BS

Evident Scientific Private Limited

Email: brijesh.alva@evidentscientific.com

EVIDENT SCIENTIFIC PRIVATE LTD.

Registered & Corporate Office: 201-203, 2nd Floor, Tower – C, Unitech Cyber Park, Sector-39, Gurugram-122002, Haryana, India

Telephone: +91 124-6942800

CIN (Corporate Identification Number): U33119HR2022FTC100364

AIIMS RISHIKESH
INDENT FOR PURCHASE OF STORES
(FORM P-2)

- 1 Please fill a separate form for each item
 2. Please fill completely in triplicate. Incomplete forms and those with illegible writing may not be accepted.

Name of items with full specifications & required accessories	Quantity (in figures and words)	Cost per unit (approx.) in foreign currency and Rupees	Total cost (approx.)
<p><u>Specification for Trinocular Phase Contrast, Polarising, Research Microscope with Digital Imaging System</u></p> <p>Optical System: Universal Infinity corrected optical system.</p> <p>Illumination: The microscope should have an ergonomic stand with high intensity - at least 14 watt LED illumination system with a life of 50,000 hours or more. The intensity/brightness should be equivalent to a 12 volt 100 watt halogen bulb.</p> <p>Focus: Coaxial coarse & fine focusing with at least 25 mm stage stroke with coarse adjustment limit stopper. Fine focusing knob with minimum adjustment gradations of 1 µm or better. Torque adjustment for coarse adjustment knobs</p> <p>Upgradability: The quoted microscope should be onsite upgradable to multi-viewing attachment with at least 25 heads; full stepwise motorization like motorised 7-position or higher DIC nosepiece, motorised 7-position or higher universal condenser with motorized polarizer in/out movement, motorised 6-position or higher fluorescence turret, motorised stage and DIC (Differential Interference Contrast).</p> <p>Observation Tube: Widefield Trinocular tube having F.N 22 or higher with paired widefield eyepieces.</p>	1 (One)	Rs.13,00,000 (Thirteen lakh rupees)	Rs.13,00,000 (Thirteen lakh rupees)

डॉ० मुकेश बैरवा /Dr. Mukesh Bairwa
 सह आचार्य/Associate Professor
 सामान्य चिकित्सा विभाग
 Department of General Medicine
 एम्स, रुषिकेश/ AIIMS Rishikesh

डॉ० सुकदेव मन्ना / Dr. Sukdev Manna
 एम.डी, डी.एम / MD, DM
 सहायक आचार्य / Assistant Professor

डॉ० वेंकटेश एस पाई (एम डी डी एम)
 Dr. Venkatesh S Pai (MD, DM)
 अतिरिक्त आचार्य / Additional Professor

Three way light path distribution for simultaneous viewing and imaging of the specimens.

Eyepieces: Should be of at least 10X magnification, with diopter adjustment facility in both eyepieces with F.N. 22 or higher.

Nosepiece: Sextuple (6-positions) revolving nosepiece with a slot for analyzer or DIC slider.

Analyzer & Polarizer: Analyzer & Polarizer should be a Standard part of the System

Objectives: The following objectives should be quoted: -

1. Plan Achromat 4X
2. Plan Achromat 10X Phase Contrast
3. Plan Achromat 20X Phase Contrast
4. Plan Achromat 40X Phase Contrast
5. Plan Achromat 100X Oil Immersion

Stage: Mechanical stage with ceramic coating, with double slide holding capacity. Travel range of at least 76 x 52 mm.

Condenser: Universal Turret Condenser for Bright Field, Phase Contrast & Dark Field Applications.

Analyzer & Polarizer: One set of analyzer & polarizer should be a standard part of the quote

Digital Camera: The system should be supplied with dedicated scientific colour camera with Resolution of minimum 6 MP or better. Sensor should be atleast 1/1.8-inch colour CMOS, Pixel size approx. $2.4 \mu\text{m} \times 2.4 \mu\text{m}$ or better, exposure time of $13 \mu\text{s} - 15 \mu\text{s}$, USB 3.1 Type-C. Live image display (frame rate) 45 fps (full resolution), 59 fps (binning 2×2 -high speed), 60 fps (full HD). High resolution at 30 frames per second (fps).

Software: Should act as an interface between the digital camera and the computer system / Laptop. It should have the following features. Fully compatible for Brightfield, Phase Contrast imaging and analysis.

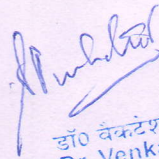
डॉ० मुकेश बैरवा / Dr. Mukesh Bairwa
सह आचार्य / Associate Professor
आमान्य चिकित्सा विभाग
Department of General Medicine
एमएम. रीशिकेश / AIIMS Rishikesh

डॉ० वेंकटेश एस पाई (एम.डी.डी.एम.)
Dr. Venkatesh S Pai (MD, DM)
आमान्य चिकित्सा विभाग
Department of General Medicine

डॉ० सुकदेव मन्ना / Dr. Sukdev Mann
एच.डी. डी.एम / MD, DM
सहायक आचार्य / Assistant Professor

<p>Document groups for side by side image comparison. Measurements, Documentation and collaboration. User experience customization, Movie playback, Tile view, Snap/ movie acquisition, Interactive measurements.</p> <p>PC System: Branded PC System , I5, Windows 10 Pro, 4GB RAM, 1TB HDD, 64 bit, Keyboard, Mouse, 24 Inch Monitor</p> <p>Other Mandatory Conditions:</p> <ol style="list-style-type: none"> 1. The bidder must mandatorily mention the web links of the manufacturer's website for the quoted microscope & Camera to confirm compliance to the specifications. Microscope , Camera & Software should mandatorily from the same manufacturer. 2. The quoted system should be onsite upgradable to full motorization, DIC, 25 header multi-viewing system, FDA approved cytogenetics workstation etc. 3. The quoted microscope System should be CE/US-FDA certified 			
Total Amount			Rs.13,00,000 (Thirteen lakh rupees only)

डॉ० मुकेश बैरवा /Dr. Mukesh Bairwa
सह आचार्य /Associate Professor
सामान्य चिकित्सा विभाग
Department of General Medicine
एम्स, ऋषिकेश/ AIIMS Rishikesh



डॉ० वैकटेश एस पाई (एम.डी.डी.एम.)
Dr. Venkatesh S Pai (MD, DM)
अपर आचार्य / Additional Professor
सामान्य चिकित्सा विभाग
Department of General Medicine
एम्स, ऋषिकेश/ AIIMS Rishikesh

डॉ० सुकदेव मन्ना / Dr. Sukdev Mannā
एम.डी. डी.एम. / MD, DM
सहायक आचार्य / Assistant Professor
सामान्य चिकित्सा विभाग / Department of General Medicine
एम्स, ऋषिकेश / AIIMS, Rishikesh

3. For equipment, please provide the following information

Detailed description of the actual use of the equipment: **For Immunology & Rheumatology**

Is the equipment to be used for patient care or research: **Patient care**

If both, state 70% of time to be used for patient care: 30% of time to be used for research

Is this/ similar equipment already available in the department? **N/A**

When purchased? Cost at that time: Present functional status:

Tests/procedures done on this equipment in last year: **N/A**

Revenue generated by this equipment in last year: **N/A**

If yes, what is the justification for this purchase? **N/A**

Is this/similar equipment available in any other department in the Institute? **N/A**

If yes, what is the justification for this purchase:

4. For Consumables, please provide following information:

Description of stocks available: Nil

When was it last purchased? In what quantity? Cost:

Source:

Test/ procedures done in this period:

Revenue generated in this period:

Average annual consumption

Shelf life

Period for which this purchase will last Number of tests likely to be done with this quantity:

डॉ. सुकदेव मन्ना / Dr. Sukdev Mannan
एम.डी, डी.एम / MD, DM

सहायक आचार्य / Assistant Professor
सामान्य चिकित्सा विभाग / Department of General Medicine

एम्स, ऋषिकेश / AIIMS, Rishikesh

डॉ. वेंकटेश एस पाई (एम.डी, डी.एम.)
Dr. Venkatesh S Pai (MD, DM)

अपर आचार्य / Additional Professor
सामान्य चिकित्सा विभाग
Department of General Medicine

एम्स, ऋषिकेश / AIIMS Rishikesh

डॉ. मुकेश बैरवा / Dr. Mukesh Bairwa
सह आचार्य / Associate Professor
सामान्य चिकित्सा विभाग
Department of General Medicine

एम्स, ऋषिकेश / AIIMS Rishikesh