

Ref: INS/L-6115/2017-2018(Y)

Date : 11/01/2018

### ENQUIRY

Dear Sirs,

Please let us have your lowest Quotation for the following :

Sl.No	Cat.No	Item Description	Make/Model	Item Qty	UOM
1		Inverted microscope with fluorescence (Specifications Attached)	multiple	1.00	No.

**Remarks: The Tenders to be quoted in foreign currencies & any other currencies approved/traded by RBI - USD/Euro/JPY/GBP/SGD/CAD/INR.**

Please also indicate specifically the following : \*\*inStem is a public funded research institute and is entitled to concessional rate of GST @ 5% for items supplied for research purpose. The offer should be submitted after fully considering the above notification. \*\*

1. The bids shall be enclosed in an envelope , and due date sealed duly marked "Tender for \_\_\_\_\_" Ref No : \_\_\_\_\_. The bids should be addressed and to be mailed to "THE HEAD-PURCHASE". The bids are liable to be rejected if the sealed envelope is not addressed to "THE HEAD-PURCHASE" with Tender Ref No and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail , it should reach by submission Date and Time and inStem will not be responsible for the delay.

2. **DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 29/01/2018 till 5.30 p.m.**

3. QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.

4. The Validity of your quotation should be for 60 days from the date.

5. All duties, taxes, surcharge and cess as currently applicable must be stated in your quotation, separately. Otherwise your quote is liable to be rejected.

6. Your quotation should indicate delivery period & Warranty period.

7. Delivery to be made to our Stores. Please indicate charges, if any extra. Transit Insurance should be done upto inStem Stores.

8. If you are unable to supply the quality, specifications or brand as mentioned in our enquiry, Please state so and then offer alternative to quality/Specifications.

9. Payment : within one month after delivery & acceptance/satisfactory installation.

10. Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.

11. Since we are a public funded research institution, we are exempted from paying Customs Duty (Except ad valorem duty of 5% + 2% cess and CVD @4% vide Notification No.51/96 with latest amendments) and excise duty vide Notification No.10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments, technical instruments, equipments (including computers), their accessories, spares, consumables and software. Hence, please offer your prices taking this option into consideration.



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**12.If the item is covered under DGS&D rate contract,please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.**

13.Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees.The decision of the arbitrator shall be final and binding on the parties.The venue for arbitration shall be Bangalore.The provisions of the Arbitration and Concillation Act,1996 as amended from time to time shall apply.The Courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties.

Yours faithfully

For and on behalf of Insitute For Stem Cell  
Biology and Regenerative Medicine



Yesu R

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## **Technical Specifications of Modular Inverted research Fluorescence Microscope for Cell Biology**

A modular Inverted Microscope to suit to various laboratory applications for cell biology and tissue culture lab. The microscope should be of modular design with infinity optics and possibility to upgrade to various applications at later stage. The microscope should be capable of Bright field, Phase contrast, DIC/ Plas DIC, varel contrast, Hoffmann contrast techniques and Fluorescence observations.

The microscope should have the following technical features:

1. Rugged and sturdy stand with modular design for future up gradation to various techniques.
2. Built-in electronic power supply unit for mains connection 100-240V, 50-60Hz and with 12V/60 watt power output.
3. Co-axial coarse and fine focus knobs ergonomically positioned either side of the microscope stand for convenient operation with adjustable focus stop.
4. Power ON/OFF switch and illumination regulation control knobs to be located close to the focus knobs for ease of operation.
5. Microscope should have powerful transmitted light illumination with 12V/35watt halogen lamp and should have a provision to switch over to a long life LED illumination.
6. Microscope should have a Quintuple (5x) precision revolving nose piece with provision for DIC sliders.
7. Microscope should have a built-in 4 position reflector turret for Fluorescence filter blocks with easy filter changing device and with pixel shift free device.
8. Microscope should have a built-in Epi fluorescence illumination optical path with high efficiency transmission for optimal fluorescence excitation.
9. Fluorescence illumination with high power LED Illumination with filters suitable for DAPI, FITC, TRITC and Cy5 having excitation wavelengths 385, 475, 555 and 630 nm.
10. Binocular tube with 45deg inclination with swivelling eyepiece tubes and with inter-pupillary distance adjustment range 55-75mm.
11. The microscope stand should have provision to attach a camera without replacement of the Binocular tube.
12. Microscope should have a hard coat anodized specimen stage with 230x230mm size to accommodate various specimen holders. It should have an object guide with long coaxial X-Y drive knobs and holders for various specimen containers like petridishes, slides, multiwell plates etc. It should also be able to accommodate tissue culture flask and roller bottles. It should have a provision and possibility to upgrade with motorised scanning stage for advanced applications.
13. Long working distance condenser with 0.55NA, with sliders for Bright field & Phase and Plas DIC/DIC.
14. Infinity corrected high contrast long working distance Plan Achromatic objectives suitable for Phase contrast and Plas DIC/DIC with magnifications 10x/0.25, 20x/0.35, 40x /0.55 and 60/63x/0.65
15. Pair of wide field 10x eyepieces with FOV of 22mm or more with focusable front lens and with rubber eyecups suitable for spectacle wearers and should have a provision to insert measuring graticules.
16. Universal mounting frame for: - Petri dishes dia. 24...68 mm - slides (max. length 120 mm)
17. The microscope should have Camera, 5 megapixel CMOS chip sensor.

Pixel size: 3.45  $\mu\text{m}$  x 3.45  $\mu\text{m}$

Sensor size: 8.5 mm x 7.1 mm, equivalent to 2/3" (11 mm diagonal)

Digitization: 8 and 12 Bit / Pixel

Interfaces : USB 3 (5Gbit/s)

