



national centre for biological sciences  
tata institute of fundamental research

National Center for Biological Sciences  
Tata Institute of Fundamental Research  
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**ENQUIRY**

Ref:NCB/CA18-118/181539

11/12/2018

Dear Sirs,  
Please let us have your Quotation for the following :

Item Description	Qty
<p><b>MICRO-OSMOMETER</b></p> <p><b>SPECIFICATION OF OSMOMETER:</b> Single Sample Freezing Point Micro-Osmometer. Freeze pulse for more accuracy Fast 90 seconds test time Touchscreen: Intuitive, color-coded menu-driven operating system, with multi-language capability, displays test results and enables enhanced data management. On-board printer: For easy printing and archiving of test results. Ease-Eject Sampler: Convenient sample introduction, eliminates loss of sample. On-board sampler holder: Convenient place to store sampler when not in use. Operating cradle: Guides sampler into freezing chamber. Integrated barcode scanner: Built-in barcode scanner allows for traceable sample identification and reduces transcription errors. Warning when sample reading is out of range Monitor data with Leavy Jennings Chart feature Ethernet and USB ports (located on the back of the instrument): Allows for easy LIS connectivity and export of data. Intelligent user interface o Interactive and intuitive touchscreen with a menu-driven operating system displaying test results, user ID, sample ID, date, time, test progress bar, instrument status, and errors. o Multi- language capability. o Sampler tip countdown for inventory management. □ Built-in quality control: o Can issue warnings when quality control is out of range so users can react in real-time. o Allows tracking of quality control data over time with exportable Levey-Jennings chart. o Able to set custom range limits for QC samples. o Audit control ensured with events database. o Stores the last 1,000 test records and 10,000 events. □ Electronic data management for security and efficiency: o Enables laboratories to comply with HIPAA regulations. o Password protected user accounts, with ability to link sample ID and user ID to</p>	1 No.

test results, for improved traceability.

- o Supervisor login with ability to set restrictions and password expiry.
- o Bidirectional LIS via Ethernet connectivity.
- o Provides statistical analysis (mean, standard deviation, and coefficient of variation).
- o USB for easy data export.

#### SPECIFICATION

- Sample volume: 20+1 µL
- Test time : 90 seconds □ Sample capacity: Single Sample □ Units: mOsm/kg H<sub>2</sub>O
- Resolution: 1 mOsm/kg H<sub>2</sub>O
- Range: 0-2000 mOsm / kg H<sub>2</sub>O
- Accuracy
  - o 0-400 mOsm/kg H<sub>2</sub>O: < 2 mOsm / kg H<sub>2</sub>O from nominal value (1 SD)
  - o > 400 to <1500 mOsm/kg H<sub>2</sub>O: < 0.5% mOsm / kg H<sub>2</sub>O from nominal value (1SD).
  - o > 1500 to 2000 mOsm/kg H<sub>2</sub>O: < 1% mOsm/kg H<sub>2</sub>O from nominal value (1 SD). □ Temperature effects Less than 1 mOsm / kg H<sub>2</sub>O per 5°C (9°F) ambient temperature change. □ Communications On-board printer, USB 2.0 Type A ports (2), USB 2.0 Type B ports (1), Ethernet 10/100, RJ45 connector port (1) □ Electrical voltage 100 to 240 VAC (50/60 Hz) □ Dimensions (DxWxH) (38 cm x 36 cm x 38 cm) (15" x14" x15") □ Net weight 6.0 kg (13.3 lbs). □ To be supplied with 50mOsm, 850mOsm & 2000 Calibration Standards, 290 Clinitrol Reference Solution, Osmolality linearity set, 5x2x5 mL, Micro-Sample Test Kit: 500 tips, 500 cleaners, plunger wire & Thermal paper printer

**Warranty 1 year from the date of installation.**

- NOTE :**
1. Please attach AUTHORIZATION LETTER from your principal supplier along with quote.
  2. As per notification 45/2017 only 5% GST applicable to NCBS.
  3. NCBS standard payment terms is within 30 days.
  4. The Price quoted against this RFQ should be extended to Bangalore Life Science Cluster (BLiSc) of NCBS, Instem and C-CAMP for placing repeat order as per norms, by any one or all institutes of Bangalore Life Science Cluster (BLiSc).
  5. LD Clause: The successful bidder will have to agree that in case the item is not supplied within the agreed delivery schedule and after a grace period of seven days, then Liquidated Damages (not in terms of penalty) will be imposed automatically and be deducted from their bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.

**1. The bids shall be enclosed in an envelope and due date sealed duly marked Tender for \_\_\_\_\_ Ref No: 181539. 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 NCBS will not be responsible for the delay.

**2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 25/12/2018 BY 5.30PM.**

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

4. The validity of your quotation should be for 60 days from the due 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 NCBS 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 advalorem duty of 5% + 2% Cess and 1% Cus Sec & High Edu. CESS 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

**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 Conciliation 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**

**National Centre for Biological Sciences**

*for [Signature] 11/12/18*

**Head Purchase**