

10/04/2017

Tender Notification for the Procurement of a "XFp Extracellular Flux Analyzer"

(Last date for submission: 05/05/2017)

Kindly send your best quotation for a Seahorse XFp Extracellular Flux Analyzer with the following technical specifications on C.I.F. Bangalore basis. Your quotation should clearly indicate the terms of delivery, delivery schedule, estimated delivery date, and payment terms. The tender should be submitted in two separate sealed envelopes - one containing the technical bid and the other containing the commercial bid, both of which should reach us, duly signed on or before 1700 hours on Friday, 5th May, 2017.

The bids should be addressed to:

The Chair
Department of Microbiology and Cell Biology
Indian Institute of Science
Bangalore – 560 012, INDIA

The sealed bids should be sent to:

The Chair
Department of Microbiology and Cell Biology
Indian Institute of Science
Bangalore – 560 012, INDIA
Phone: + 91 80 22932410, 22932413
Fax: + 91 80 23602697
E.mail: chairman@mcbl.iisc.ernet.in

Please enclose a compliance statement along with the technical bid.

Technical Specifications for the Seahorse XFp Extracellular Flux Analyzer

We are seeking to procure a Seahorse XFp Extracellular Flux Analyzer, which measures bioenergetics of live mammalian and bacterial cells. The system should be equipped with latest version of hardware and software.

The following specifications for the system was finalized for the tendering process:

1. XF technology should simultaneously measures the oxygen consumption rate (OCR) and extracellular acidification rate (ECAR) of living cells including *Mtb*. Detection capability for dual analyte i.e. O₂/H⁺. Cells analyzed should be recovered viable post-analysis
2. Minimum 8 well tissue culture microplates is required and there should not

be any requirement for additions of dyes, probes, and reporter for assays.

3. Instrument should be able to calculate OCR and ECAR rate every 5 mins. It should have capacity to perform repetitive kinetic measurements.
4. Should have a minimum usage of 30,000 to 80,000 cells per well and adherent cells should be measured without requiring trypsinization. Cell-Tak® cell is used to take measurement of suspended cells.
5. Should have an automated addition of four test compounds (drugs or substrates) into each well. Drug injection volume should be 100µl.
6. XF Analyser should be compact bench-top instrument with a temperature controlled (37°C +/-0.5°C) measurement chamber.
7. Screen and a separate computer monitor to analyze data with software to measure OCR, ECAR and CDPR in a single 2D chart.
8. Instrument should be sensitive to measure pH: 0.5 mpH and Oxygen: 0.67 mm (Clark electrode is ~1.0mm).
9. Excitation and Emission requirements: A source for monochromatic excitation (LED). Should have different absorption and emission peak.
10. Sensor : Oxygen = Absorption (Green, 530 nm); Emission (Red; 650 nm).
11. pH= Absorption (blue; 470 nm); Emission (green; 530 nm)
12. An UPS power back-up for uninterrupted functioning of machine should be supplied with the instrument.
13. System should come with integrated computer, data acquisition and display. User friendly excel based software should be supplied.
14. 2 nos. offline computer with UPS and analysis software of post-acquisition analysis (Offline computer (minimum desired specifications) – i5/i7 processor; 8 GB RAM; 1GB graphics card; 2 TB HDD; 21 inch LED monitor; wireless KB mouse); ethernet port.
15. Software modules to be included (for both online and offline analysis).
16. Startup consumables including XFp Fluxpak, XFp Mito Stress test kit, XFp Glycolysis Stress Test Kit, Seajorse XFp Cell energy Phenotype Test kit, XF Base Medium, and XFp carrier tray.

Terms and Conditions

17. The vendor is responsible for the installation of the system at the Institute.
18. The price quotation should include the cost of installation and training of users to be conducted by technical and application expert. Training by technical and application expert needs to be conducted annually for first 5 years.
19. The equipment must be covered under full comprehensive maintenance contract for the 5 years, after successful installation and training.
20. The system downtime must be limited to 24-48 hours from the time of reporting.
21. Annual Maintenance Contract (AMC) charges for three years may be quoted from the date of expiry of initial 5 years CMC.
22. The vendor should have a track record of having previously supplied a minimum of 1-2 Seahorse XFp Extracellular Flux Analyzer systems in India. Details of these installations must be provided in technical bid.
23. The vendor should have qualified technical service personnel for the equipment based in India.
24. The lead-time for the delivery of the equipment should not be more than 10 months from the date of receipt of our purchase order.
25. The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split-up the requirements or relax any or all of the above conditions without assigning any reason is reserved.
26. Payment will be through Letter of Credit (LOC), 80% on shipment and 20% will be upon successful installation and training of users.

Attn: Dr. Amit Singh
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