

08 August 2023

**Global tender notification for the procurement of
“Flow cytometry with cell sorter”
at the Evolutionary Venomics Lab, Center for Ecological Sciences,
Indian Institute of Science, Bangalore**

(Last date of submission of tenders: 12:00 (noon), 08 September 2023)

Dear Sir/Madam,

Subject: Flow cytometry with cell sorter for research laboratory use

This is a request for global tender quotations for the purchase of a “Flow cytometry with cell sorter”. This machine will be used to separate the cells based on their properties at the lab level. It is **exempt from local tendering** as per the reference (**List. No.189**) in the GOI office memorandum dated 21st June 2022, No.F. 4/1/2022 – PPD (Pt.).

TERMS AND CONDITIONS FOR SUBMISSION OF BIDS

- ❖ Your quotation should clearly indicate the terms and conditions of the quotation, delivery schedule, entry taxes, customs duty if any, payment terms, warranty coverage, etc.
- ❖ **The quotations should be submitted in a two-bids system, i.e., Technical bid and Commercial bid.**
- ❖ The technical bid must include all the details of the instrument’s technical specifications and terms and conditions, masking only the price component.
- ❖ Bill of materials, brochures, technical datasheets, and any other document may be enclosed to help evaluate the technical bid.
- ❖ The Technical bid should have an item-wise compliance report of all specifications indicated below. Prices quoted should be inclusive of all taxes, duties, delivery of the items to the site, and installation.
- ❖ The commercial bid must include the price of the instrument in Indian/Foreign currency for “CIP/CIF IISc Bangalore basis”.

- ❖ The warranty should be for a period of 3 years from the date of installation. Annual maintenance contracts for 2 years after the warranty period may be quoted separately.
- ❖ We prefer to make payment by Letter of Credit – 90% against the presentation of documents and 10% after installation. In addition to this, LC Amendments, Extension, and Confirmation charges, if required, are to be borne by the beneficiary.
- ❖ If the goods are found to be defective, they must be replaced/rectified at the cost of the suppliers within 15 days from the date of receipt of written communication from us. If there is any delay in replacement/rectification, the warranty period should be correspondingly extended.
- ❖ Conditional tenders will not be accepted.
- ❖ The participating firms must quote all-inclusive delivery prices and the entire shipment must be insured from the manufacturer's warehouse to the installation site at IISc.
- ❖ The purchaser reserves the right to accept or reject any bid, to annul the bidding process, and to reject all bids at any time before the award of the contract, without incurring any liability to the affected bidder or bidders.
- ❖ **Please submit your bid valid for 90 days along with the terms and conditions**
- ❖ **The last date to submit your bids is September 08, 2023**

Technical Specifications: Flow cytometry with cell sorter

- The machine should be fully automated for high-speed cell sorting for multiple samples.
- The machine should have proven and exclusive magnetic technology of high-end sorters with automation and simplified software.
- Automated magnetic labelling and sensor-controlled processing of multiple samples.
- Benchtop and stand-alone cell sorter with in-built control unit and touchscreen.
- Fully automated cell labeling with high-quality, faster and gentle cell sorting.
- Enables the automatic collection of the sorted cells.
- Easy and fast isolation of virtually any cell type from any species and tissue:
 - a. Single-cell suspensions e.g., from dissociated spleens or lymph nodes
 - b. Other dissociated tissues e.g., tumours
 - c. Peripheral blood mononuclear cells (PBMCs)
 - d. Whole blood, bone marrow, buffy coat samples

- Easy isolation of cells directly from whole blood or bone marrow samples without the need for density-gradient centrifugation or red blood cell lysis
- Processing up to six samples in one single run. Up to eight reagent vials should be placed on the reagent rack.
- System should offer different cell sorting modes such as enrich, purity and yield.
- To maintain the integrity of the valuable samples chill racks should be available at 4°C in a format compatible with 50 ml, 15 ml, or 5 ml tubes.
- Standardized cell separation for reproducible, user-independent results
- Cells purified using the separator should be well-suited for further single-cell sorting analysis, molecular biology studies, and functional studies.
- Barcode reader and reagents scanning should allow the instrument to automatically select the appropriate separation program.
- The reusable column should be specifically designed to deliver high cell purities and recoveries whether performing positive selection, depletion, or untouched isolations, this column should fit all the cell isolation needs.
- Isolation of up to 2×10^8 magnetically labeled cells and up to 4×10^9 nucleated total cells and up to 28 ml of whole blood or buffy coat (circa 1/3 buffy coat from 500 mL whole blood).
- Sample input volume from 0.03 ml to 42 ml
- Status view from a distance facilitated by the illumination of buffer bottles by light-emitting diodes.
- Fit into a standard laminar flow hood or safety cabinet.
- Performs walk-away cell isolation including automated startup, cleaning, and shutdown.

Important: Please note that the system should match all technical specifications listed above. Submitted technical bids should contain a detailed compliance certificate as per the technical specifications listed in the tender document.

Both the Technical and Commercial bids should be put in separate sealed envelopes and put together in another cover stating, “**Flow cytometry with cell sorter**” and should reach on or before noon, 08 September 2023 to the below address.

‘The Chair, Centre for Ecological Sciences, 3rd Floor, Biological Sciences Building, Indian Institute of Science, Bangalore 560012, Karnataka, India’.

Any further queries can be made to ksunagar@iisc.ac.in and copy mark to office.ces@iisc.ac.in.

Dr. Kartik Sunagar

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Indian Institute of Science,

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(On behalf of the purchase committee)