



सीएसआईआर-भारतीय समवेत औषध संस्थान
CSIR-INDIAN INSTITUTE OF INTEGRATIVE MEDICINE

केनाल रोड, जम्मू-180001 / Canal Road, Jammu -180001

0191-2585032. Tele Fax: 2585032

GSTIN- 01AAATC2716R1ZT

Website: <http://www.iiim.res.in>

Email: dilip.spo@iiim.res.in, purchase@iiim.ac.in

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Date: 08.01.2024

Invitation for Expression of Interest

1. Director, Indian Institute of Integrative medicine (IIIM), Canal Road, Jammu Tawi 180001 hereby invites expression of interest from manufacturer, their distributors and Indian agents of foreign principals, if any for procurement of the Equipment **MALDI-TOF/TOF (Technical Specifications at Annexure-I)** on 31.01.2024 **at 11:30Am (AT BOARD ROOM , CSIR-IIIM JAMMU)**
2. The full technical details (through e-mail as mentioned below) along with complete reference list, phone nos. and emails of the quoted equipments must be submitted with the office of store and purchase officer, IIIM JAMMU on or before **25.01.2024** up to 03:00 pm (IST).
3. All prospective bidders are requested to kindly submit their queries, if any to the address indicated above so as to reach the office Stores and Purchase Officer, CSIR- Indian Institute of Integrative Medicine, Canal Road Jammu-180001 latest by **20.01.2024**
4. Only those bidders are eligible to participate in this expression of interest who have their local service centre/support at Jammu/Delhi in India and two or more installation in India in which at least one should be in CSIR/IIT/ICAR/ICMR like govt. Research Institution .
5. Interested bidders can obtain further information from the office of Store and Purchase officer CSIR-INDIAN INSTITUTE OF INTEGRATIVE MEDICINE, CANAL ROAD, JAMMU -180001 INDIA.
Tele fax: - 0191-2585032, Email- purchase@iiim.ac.in dilip@iiim.res.in
6. The director IIIM Jammu reserved the right to accept or reject any for all EOI either in part or in full without assigning any reason thereof.

Thanking you

Yours faithfully,

Sd/-

(दिलीप कुमार गेहलोत)

Stores & Purchase Officer

(For and On behalf of The Council of Scientific & Industrial Research)

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Specifications of MALDI/TOF-TOF

The instrument should be fully automated with suitable software including following tentative technical specifications

Mass Range: Broadband mass resolving power up to 50,000

Linear mode-1 Da to 500 kDa; Reflection mode: 1 Da to 700 kDa

Mass resolution: Linear ~6000 FWHM; Reflection ~25000 FWHM; MS/MS ~10000 FWHM

Sensitivity: Linear (peptide) ~100 amol (on target); Linear (protein) ~100 fmol (on target); Reflection ~100 amol (on target); MS/MS ~500 amol (on target)

Accuracy: Linear ~20 ppm with internal calibration; ~100 ppm with external calibration

Reflection ~2 ppm with internal calibration; ~20 ppm with external calibration

MS/MS ~50 ppm

Ion gate resolution: ~500 FWHM

Laser Technology: Laser-irradiation self-cleaning Ion source: ensures robust, long-term highest-performance operation. Equipped with nitrogen laser preferably 335 to 355 nm, Scanning speed: 2 kHz speed in TOF mode and 1 kHz in TOF/TOF mode, variable pulse rate ~1 Hz to 2000 Hz

Detectors: Linear mode- electron multiplier; Reflection mode- ultra fast electron multiplier

Control and Data System: Compute: multi core work station class with 32 GB RAM, widescreen monitor, 1TB SSD and 1 TB hard disc.

Software Functionality: LC-MALDI acquisition software; MALDI imaging software; software for automatic setting of the precursor ion gate and acquisition of MS/MS spectra; sample target design editor; sample raster design editor. Tools to generate peak lists, export .mgf files and access internet or intranet protein database search engines (Mascot from Matrix Science)

Database: Should be integrated with a ready to use reference library, the database should have automatic regular updates when available; it should have an open architecture to allow customize in-house library generation.

- Oil free vacuum pumps

-Should be FDA approved and have CE and IVD certifications

-Automated raster software for scanning samples with circular or rectangular rasters

-Positive and negative ion operation

-Software driven UV/IR laser-based cleaning

-5 years of comprehensive warranty