

**Foundation for Innovation and Technology Transfer  
(FITT)**

Ref: FT/2022/03/51

Date: 09-02-2024

**Notice Inviting Quotation**

<b>Details of the item</b>	<b>EVE LO-Article Analyzer (MFI) &amp; Accessories</b>
<b>Reference No.</b>	<b>FT/2022/03/51</b>
<b>NIQ start date</b>	<b>09-02-2024</b>
<b>NIQ closing date</b>	<b>23-02-2024</b>

**EVE LO-Article Analyzer (MFI) & Accessories**

**TECHNICAL SPECIFICATION**

1. The system, Bionter's particle counter, EVE, is a particle counter device with optimized light-obscuration technology for increased efficiency.
2. **System must be fully automated with non-destructive measurement of samples feature.**
3. The dimensions of the EVE (particle counter) (LxWxH) should be 560 x 984 x 800 mm (835 cm height with single-use consumables (SUCs)).
4. The weight of the system should be 70 kg.
5. System should run on a power supply of 115VAC – 230 VAC +/- 10%, 50 Hz / 60 Hz
6. System should have a power consumption of 600 VA and fuse power supply of 6.3 AT.
7. System should be of Excess voltage category II.
8. System should have degree of spoiling of 2.
9. System should have Protection class of 1.
10. System should have altitude of up to 2000 m above sea level.
11. System should be for indoor use only.
12. System should have maximum vacuum as 0.95 bar and air pressure as 1 bar.
13. System should have volume accuracy of +/-2,5%.
14. System should have wetted surface materials as fused silica, PTFE (Tefl on), stainless steel.
15. System should maintain sample flow rates of 1, 5 and 10 ml/min.
16. The ambient condition for operation of the system should be 15°C - 30°C temperature and 20% - 80% relative humidity, no condensation.
17. System should have a maximum sample viscosity calibrated up to 60cp.

18. The ambient condition for transportation of the system should be -20°C - 85°C temperature and 20% - 80% relative humidity, no condensation.
- 19. System must have a minimum sample volume of <0.7 ml (Sample is recovered after the measurement process).**
20. System must have compliance certificates of CE by EMC and low voltage directive.
- 21. System must support primary packaging of ISO vials ISO vials: 2R, 4R, 6R, 8R, 10R, 15R, 20R, 25R and 30R and DWPs: Eppendorf low bind & sterile.**
22. System should have a liquid sensor of size range 1 µm to >100 µm.
23. System should have a liquid sensor with size channels of up to 4096.
24. System should have a liquid sensor with maximum particle concentration of 120'000 / ml.
25. System should have a liquid sensor with zero count level of <1 count per 20ml.
26. System should have a liquid sensor that must maintain sample temperature of 2°C - 80°C.
27. System should have a liquid sensor with a diameter at the narrow point of 300µm.
28. System should have a liquid sensor with a maximum sample viscosity calibrated up to 60cp.
29. System liquid sensor with a laser source as 780 nm Laser diode.
30. System should have a liquid sensor with flow-cell dimensions of 300 x 300 µm.
31. The Single-Use Consumable (SUC) is used for particle testing in combination with EVE and is a dedicated consumable from Bionter.
32. System should have a single use container with material of contact layer (container) as medical clean PP.
33. System should have a single use container with material case of PC.
34. System should have a single use container with material clip of PBT.
35. System should have a single use container with Particle load by USP as Certified particle free.
36. System should have a single use container with manufacturing conditions of ISO 14644-1 :2015, class 8.
37. System should have a single use container with temperature range of -20°C to 80°C.
38. System software should run on an operating system of Windows 10 Enterprise 64-bit.
39. System software must have a report format of CSV and/or archived Adobe® Pdf.
40. System software should have a compliant certification of FDA 21CFR Part 11.

### **Terms & Conditions Details**

**Preparation of Bids:** The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid

**Opening of the tender:** The bid will be opened by a committee duly constituted for this purpose. Only one representative will be allowed to participate in the tender opening. The technical bid will be opened first and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which technically meets all requirements as per the specification, and will be opened in the presence of the vendor's representatives subsequently for further evaluation. The bidders if interested may participate on the tender opening Date and Time. The bidder should produce authorization letter from their company to participate in the tender opening.

**Acceptance/ Rejection of bids:** The Committee reserves the right to reject any or all offers without assigning any reason.

The quote should reach the following address/Email on or before –

**Anurag S.Rathore, Ph.D.**  
**Professor, Department of Chemical Engineering**  
**Coordinator, DBT Center of Excellence for Biopharmaceutical Technology**  
**Indian Institute of Technology, Delhi**  
**Hauz Khas, New Delhi, 110016, India**  
**E-mail: [asrathore@biotechcmz.com](mailto:asrathore@biotechcmz.com)**

Please quote prices for FOB New Delhi, inclusive of all taxes and duties.

Quote should be in Indian Rupees for agents of Indian manufacturers, or in foreign currency, for agents of foreign manufacturers, and needs to be valid for at least three months.

Attach all the technical literature and a list of similar installations done in India.

If the quote is being submitted by a representative of the manufacturer, a valid agency-ship or dealership certificate authorizing the agent to quote to FITT, IIT Delhi on behalf of the manufacturers should be enclosed. The principal and the vendor, both, are not allowed to quote for the same product.

Complete set of manuals for the operation of the equipment should be given.

Please specify all of your terms and conditions clearly, including delivery period.

Mode of payment for purchases in foreign currency are through through wire transfer on delivery. Only bank charges within India are payable by FITT, IIT Delhi, all bank charges outside India are the responsibility of the seller. For purchases in INR, payment is on delivery.