

Invitation to Suppliers

Industrial Technology Institute would like to invite you to conduct an awareness session on the latest models of the LC-MS/MS systems you have and would like to gain insights into:

- The **latest enhancements in LC-MS/MS technology, including improved detection limits and throughput.**
- **Software and automation features** that enhance workflow efficiency and data accuracy.
- **Compatibility with emerging regulatory and analytical requirements.**
- **Cost-benefit analysis of various models to ensure optimal investment decisions.**

We are interested in gaining a deeper understanding of the specifications and capabilities of your LC-MS/MS system/s and would like to request an awareness session along with a system software demonstration.

The content of the awareness presentation is anticipated to include the following;

- a) **Demonstrate the system performance** for all **specified scan modes**
- b) Vendor should demonstrate the **sensitivity and the performances of the system** for following analysis;
 1. **Aflatoxin B1, B2, G1 and G2** (instrument detection limit should be in matrix - Matrices: Tea, Spices, Nuts, Cereals)
 2. **Aflatoxin M1** in raw milk/ cheese (instrument detection limit should be in matrix)
 3. **Zeralenone** in cereals (instrument detection limit should be in matrix - Matrices: Tea, Spices, Water)
 4. **Tetracyclines** in food of animal origin
 5. **Aflatoxins** in ayurvedic medicines and complex matrices
 6. **Screening of at least 400 Pesticide residues** in a single run (instrument detection limit should be in matrix - Matrices: Tea, Spices, Water)
 7. Underivatized analytical capabilities of **highly polar pesticides such as glyphosate, paraquat, diquat, MCPA**
 8. Direct analytical capabilities of **pesticide residue, veterinary antibiotic residues** in water
 9. **Nitrofurans** and its metabolites in food of animal origin
- c) **Demo on the features** available in the **acquisition and processing software** of the system
- d) **Capabilities of mass libraries and unknown compound identification/ profiling/ fingerprints**

e) **Special features of your system to**

1. minimize cross talk,
2. matrix interferences,
3. other contaminations,
4. frequency and depth of regular system maintenance and preventive maintenance

f) **Comparison of your model to the similar competitive brands in the market**

- g) Time of the awareness presentation should be limited to a **maximum of 1 h – 1.5 h including the Q&A session**
- h) The presentation should be scheduled **within the week starting from 27th - 31st January, 2025** and **participation of 3 - 4 members from each vendor** are anticipated.
- i) Details of the **Local Agent, aftersales services, warranty period, availability of consumables**

Kindly note that **purchasing is planned at a sample throughput of 250 sample injections per day of different matrices** carried out in a routine testing laboratory. Please let us know your availability for this session either **physically or through zoom** and any additional requirements from your end. We would appreciate your response at your earliest convenience.

Kindly contact Dr. Sudarshana Somasiri for clarifications if any;

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