

# MEPNN Supplier Scouting Opportunity Synopsis

## Item Information

Scouting Number	2023-091
Item to be Scouted	LC-MS/MS instrument equivalent to SCIEX 6500+ QTRAP
Days to be scouted	14
Description	LC-MS/MS instrument that will support ORD Homeland Security research in Cincinnati. This instrument will be purchased with funds via a Capital Equipment award.
State item to be used in	Ohio

## Contact Information

Email	Rand.Logan@epa.gov
First Name	Logan
Last Name	Rand
Department / Company / MEP Center	Environmental Protection Agency, U.S.
Bureau / Division / MEP Center Regional Office	Office of Research and Development (ORD)

## Supplier Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier

## Summary of technical specifications and performance requirements

Describe the manufacturing processes (elaborate to provide as much detail as possible)	Looking for a new off the shelf LC-MS/MS hybrid triple quadrupole linear ion trap mass spectrometer with LC40DXR and IonDrive Turbo V Source equivalents to be delivered and installed at the EPA laboratory.
Provide dimensions / size / tolerances / performance specifications for the item	The instrument will be 59 cm x 79 cm x 99 cm and 62 kg in weight. The instrument must be capable of full scan MS and selected ion monitoring for both Q1 and Q3, product ion scan, precursor ion scan, neutral loss or gain scan, multiple reaction monitoring (MRM), enhanced MS scan, enhanced product ion scan, enhanced resolution scan, MS3 scan, MRM3 scan, and TripleTrap scanning modes. The triple quad scan speed must be 12,000 Da/sec and the linear ion trap scan speed must be 20,000 Da/sec.
List required materials needed to make the product, including materials of product components	The instrument must contain a single thin aperture from atmosphere into the vacuum chamber, followed immediately by a patented, high-efficiency RF-only ion guide for ion focusing and containment. This must be followed by a patented high-pressure RF quadrupole followed by a quadrupole mass filter. A pre-filter must be located between the RF quadrupole and the first mass filter to help further focus the ions. A patented high-pressure quadrupole collision cell with a 180° Curved LINAC® Collision Cell technology equivalent following the first mass filter and be used for high efficiency MS/MS fragmentation. The second mass analyzer must also be a quadrupole mass filter/Linear Accelerator trap.
Are there applicable certification requirements?	Yes
Details	Must include standard parts and labor warranty for one year starting from the completion of instrument commissioning.
Are there applicable regulations?	No

Additional Technical Comments	
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## Volume and Pricing

Estimated potential business volume	1
Estimated target price / unit cost information (if unavailable explain)	\$403,261.51 for entire instrument, delivery, installation, and warranty

## Delivery Requirements

When is it needed by?	Within 60 days of order placement
Describe packaging requirements	The instrument should be packaged to ensure safe handling of the sensitive electronic components and shipped as a complete unit in one delivery to the EPA laboratory
Where will this item be shipped?	Ship to Cincinnati, Ohio 45220

## Additional Comments

Is there other information you would like to include?	Vendor/company must be registered or will register in SAM.gov ( <a href="https://sam.gov/content/home">https://sam.gov/content/home</a> ). This inquiry does not guarantee award of a contract. EPA requires a commercial off the shelf instrument that is immediately available that meets the technical specifications attached. Vendors shall provide documentation that their proposed product meets or exceeds the technical specifications attached.
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