

Advance Contract Award Notice (ACAN)

24-58084

Supply of FAIMS PRO DUO

1. Advance Contract Award Notice (ACAN)

An ACAN is a public notice indicating to the supplier community that a department or agency intends to award a contract for goods, services or construction to a pre-identified supplier, thereby allowing other suppliers to signal their interest in bidding, by submitting a statement of capabilities. If no supplier submits a statement of capabilities that meets the requirements set out in the ACAN, on or before the closing date stated in the ACAN, the contracting officer may then proceed with the award to the pre-identified supplier.

2. Our NRC – HHT expertise spans across a range of areas including immunobiology, translational bioscience and bioprocess engineering (bacterial, viral and mammalian platforms), as well as downstream processing and analytics to enable progression through the drug development value chain.

As part of this research, the Immunobiology Department requires a FAIMS PRO DUO (high field asymmetric waveform ion mobility spectroscopy interface) to allow the orthogonal separation of complex samples or sample with high matrix interference, allowing and improving bottom-up, top-down proteomics, quantitative proteomic workflows, peptide quantitation, and targeted large or small molecule assays. This instrument will provide daily access to a wide variety of mass spectrometry analyses, critical in the support of R&D activities for internal research, as well as academic and industry partner research.

3. Criteria for assessment of the Statement of Capabilities (Minimum Essential Requirements)

The Contractor must provide one High Field Asymmetric Waveform Ion Mobility Spectroscopy Interface that is fully compatible with existing Thermo Scientific TNG mass spectrometer equipment.

Any interested supplier must demonstrate by way of a statement of capabilities that its *product/equipment/system (as appropriate)* meets the following requirements:

The Thermo Scientific™ FAIMS Pro Duo High Field Asymmetric Waveform Ion Mobility Spectrometry Interface provides an orthogonal mode of separation for complex samples or sample with high matrix interference, and is beneficial for bottomup, top-down proteomics, quantitative proteomic workflows, peptide quan, and targeted large or small molecule assays. The FAIMS Pro Duo interface is based on cylindrical electrodes utilizing N2 as the carrier gas. Users can easily maintain FAIMS Pro Duo because of the uniquely designed one-way assembly. The device can be operated across a wide range of flow rates up to 1 mL/min, and is only compatible with Thermo Scientific TNG mass spectrometers.

In addition, the FAIMS:

Must be compatible with Thermo Scientific TNG mass spectrometers

Must have a maximum CV switching time of 25 ms (Orbitrap Eclipse and Exploris 480)

Must have complete software compatibility with Thermo Fisher control software, and data analysis software.

Must have a maximum CV switching time of 40 ms (Exploris 240)

Must include a High Flow Kit and an extra electrode assembly.

4. This procurement is subject to the following trade agreements:

Canada-Chile Free Trade Agreement (CCFTA)
Canada-Colombia Free Trade Agreement (CCOFTA)
Canada-Honduras Free Trade Agreement (CHFTA)
Canada-Korea Free Trade Agreement (CKFTA)
Canada-Panama Free Trade Agreement (CPAFTA)
Canadian Free Trade Agreement (CFTA)

5. Justification for the Pre-Identified Supplier

Thermo Fisher is the Original Equipment Manufacturer (OEM) and sole supplier that can offer the FAIMS PRO DUO that is compatible with our existing Thermo Fisher instruments.

6. Government Contracts Regulation Exception(s)

The following exception to the Government Contracts Regulations is invoked for this procurement under subsection 6(d) – “only one person is capable of performing this work”.

7. Exclusions and/or Limited Tendering Reasons

The following exclusion(s) and/or limited tendering reasons are invoked under the:

- a. Canadian Free Trade Agreement (CFTA) – Article 513 (1) (b) (iii): due to an absence of competition for technical reasons;
- b. Canada-Chile Free Trade Agreement (CCFTA) – Article Kbis-16 (2) (c): necessary to protect intellectual property;
- c. Canada-Colombia Free Trade Agreement – Article 1409 (1) (b) (iii): due to an absence of competition for technical reasons;
- d. Canada-Honduras Free Trade Agreement – Article 17.11 (2) (b) (iii): due to an absence of competition for technical reasons;
- e. Canada-Korea Free Trade Agreement – referencing the WTO Protocol Amending the GPA, Article XIII (1) (b) (iii): due to an absence of competition for technical reasons;
- f. Canada-Panama Free Trade Agreement – Article 16.10 (1) (b) (iii): because of the absence of competition for technical reasons;

8. The equipment should be delivered on/before September 30, 2024.

9. The estimated value of the contract is \$131,115.40 excluding (GST/HST).

10. The Pre identified supplier is: Thermo Fisher Scientific (Mississauga) Inc., 2845 Argentia Road, Unit 4, Mississauga, ON

11. Suppliers who consider themselves fully qualified and available to provide the goods, services or construction services described in the ACAN may submit a statement of capabilities in writing to the contact person identified in this notice on or before the closing date of this notice. The

statement of capabilities must clearly demonstrate how the supplier meets the advertised requirements.

12. The closing date and time for accepting statements of capabilities is: July 11, 2024 at @2:00 pm ET.
13. Inquiries /submission of statements of capabilities to be directed to:
Carol Cooper,
Senior Contracting Officer
carol.cooper@nrc-cnrc.gc.ca
902 293 8053