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Award

## **High Mass Resolving Power, High Mass Accuracy, Benchtop Mass Spectrometry Instrument**

National Physical Laboratory

F15: Voluntary ex ante transparency notice

Notice identifier: 2023/S 000-015737

Procurement identifier (OCID): ocids-h6vhtk-03d370

Published 2 June 2023, 3:23pm

### **Section I: Contracting authority/entity**

#### **I.1) Name and addresses**

National Physical Laboratory

Hampton Road

Teddington

TW11 0LW

#### **Email**

[charley.choules@npl.co.uk](mailto:charley.choules@npl.co.uk)

#### **Country**

United Kingdom

#### **Region code**

UK - United Kingdom

#### **Internet address(es)**

Main address

[www.npl.co.uk](http://www.npl.co.uk)

#### **I.4) Type of the contracting authority**

Body governed by public law

#### **I.5) Main activity**

Other activity

Research

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

High Mass Resolving Power, High Mass Accuracy, Benchtop Mass Spectrometry Instrument

#### **II.1.2) Main CPV code**

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

#### **II.1.3) Type of contract**

Supplies

#### **II.1.4) Short description**

The instrument must provide 480,000 mass resolving power, 5000:1, scan rates up to 40 Hz and rapid polarity switching

#### **II.1.6) Information about lots**

This contract is divided into lots: No

#### **II.1.7) Total value of the procurement (excluding VAT)**

Value excluding VAT: £800,000

## **II.2) Description**

### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

### **II.2.4) Description of the procurement**

Our large-scale instrument development mass spectrometry imaging (MSI) studies require high mass accuracy ( 400,000) and the ability to couple to a range of third party and home-built atmospheric pressure developmental ion sources. These home-built ion sources were developed for coupling to a Thermo Orbitrap Elite instrument. This package must also have a small footprint, preferably benchtop, profile to fit into our laboratory space. Currently, of commercially available MSI instruments, the Thermo Orbitrap Exploris 480 is the only instrument to fulfil these requirements completely.

### **II.2.11) Information about options**

Options: No

### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

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## **Section IV. Procedure**

### **IV.1) Description**

#### **IV.1.1) Type of procedure**

Award of a contract without prior publication of a call for competition in the cases listed below

- The procurement falls outside the scope of application of the regulations

Explanation:

The Thermo Orbitrap Exploris 480 is the only commercially available mass spectrometry instrument providing the following required combination of characteristics:

- Scan rates up to 40 Hz

- Benchtop, small footprint instrument.
- Compatibility with third party MALDI MSI and LESA ion sources and our existing home-built atmospheric pressure ion sources.
- The mass spectrometer is a high-resolution FT system.
- Achievable mass resolution must be greater than 400,000 FWHM at  $m/z$  200 for all scan modes and both polarities.

A copy of the Regulatory Compliance documentation (CE or UKCA Declaration of Conformity) certificate must be provided with the instrument, which will be reviewed by NPL's regulatory compliance expert upon receipt.

#### **IV.1.8) Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: No

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## **Section V. Award of contract/concession**

### **Title**

High Mass Resolving Power, High Mass Accuracy, Benchtop Mass Spectrometry Instrument

A contract/lot is awarded: Yes

### **V.2) Award of contract/concession**

#### **V.2.1) Date of conclusion of the contract**

2 June 2023

#### **V.2.2) Information about tenders**

The contract has been awarded to a group of economic operators: No

#### **V.2.3) Name and address of the contractor/concessionaire**

Thermo Fisher

Stafford House, Boundary Way

Hemel Hempstead

HP2 7GE

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor/concessionaire is an SME

No

**V.2.4) Information on value of contract/lot/concession (excluding VAT)**

Total value of the contract/lot/concession: £800,000

**V.2.5) Information about subcontracting**

The contract/lot/concession is likely to be subcontracted

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**Section VI. Complementary information**

**VI.4) Procedures for review**

**VI.4.1) Review body**

NPL Management Ltd

Hampton Road

Teddington

TW11 0LW

Country

United Kingdom