1. Buyer

1.1 Buyer

Official name:	Universiteit Leiden
Legal type of the buyer:	Body governed by public law
Activity of the contracting authority:	Education

2. Procedure

2.1 Procedure

Title:	High-Resolution Mass Spectrometer
Description:	The Leiden Academic Centre for Drugs Research (LACDR) is developing rapid metabolomics, lipidomics and exposomics measurements of blood and other biological samples. LACDR wants to analyse metabolites, lipids and small molecules quantitatively with a good dynamic range and at the same identify or confirm the identity of detected features. To expand our analytical capacity, LACDR requires an additional High-Resolution Mass Spectrometer. This system must seamlessly integrate into our existing analysis workflows, support our established analytical methods, and provide results comparable to those from our current systems. Additionally, compatibility with our in-house developed software is essential. This publication is to indicate our intention to award the contract to AB Sciex Netherlands because of technical reasons set out in the publication and attached document. If no representations are received within 20 days after out voluntary ex ante publication, the contract will be awarded. The LACDR is part of the Faculty of Science of Leiden University.
Procedure identifier:	9d0bec70-565f-4d87-b6a0-20a33439c6ee
Internal identifier:	T122034
Type of procedure:	Negotiated without prior call for competition

2.1.1 Purpose

Main nature of the contract:	Supplies
Main classification (cpv):	38433100 Mass spectrometer
Additional classification (cpv):	38433000 Spectrometers

2.1.2 Place of performance

Country subdivision (NUTS):	Agglomeratie Leiden en Bollenstreek (NL337)
Country:	Netherlands
Additional information:	See documentation

2.1.4 General information

Legal basis:

Directive 2014/24/EU

5. Lot

5.1 Lot technical ID: LOT-0000

Title:	High-Resolution Mass Spectrometer

Rijksoverheid

Description:	The Leiden Academic Centre for Drugs Research (LACDR) is developing rapid metabolomics, lipidomics and exposomics measurements of blood and other biological samples. LACDR wants to analyse metabolites, lipids and small molecules quantitatively with a good dynamic range and at the same identify or confirm the identity of detected features. To expand our analytical capacity, LACDR requires an additional High-Resolution Mass Spectrometer. This system must seamlessly integrate into our existing analysis workflows, support our established analytical methods, and provide results comparable to those from our current systems. Additionally, compatibility with our in-house developed software is essential. This publication is to indicate our intention to award the contract to AB Sciex Netherlands because of technical reasons set out in the publication and attached document. If no representations are received within 20 days after out voluntary ex ante publication, the contract will be awarded. The LACDR is part of the Faculty of Science of Leiden University.
Internal identifier:	T122034

5.1.1 Purpose

Main nature of the contract:	Supplies
Main classification (cpv):	38433100 Mass spectrometer
Additional classification (cpv):	38433000 Spectrometers

5.1.2 Place of performance

Country subdivision (NUTS):	Agglomeratie Leiden en Bollenstreek (NL337)
Country:	Netherlands
Additional information:	See documentation

5.1.6 General information

Procurement Project not financed with EU Funds.

The procurement is covered by the Government Procurement Agreement (GPA):	yes

5.1.10 Award criteria

Criterion:

Type:	Price
Name:	Price
Description:	Price
Weight (percentage, exact):	100

5.1.15 Techniques

Framework agreement:

No framework agreement

Information about the dynamic purchasing system:

Rijksoverheid

No dynamic purchase system

5.1.16 Further information, mediation and review

Review organisation:	Rechtbank Den Haag
Organisation whose budget is used to pay for the contract :	Universiteit Leiden
Organisation executing the payment:	Universiteit Leiden
Organisation signing the contract:	Universiteit Leiden

6. Results

Value of all contracts awarded in this notice:	296 408 Euro
Direct award:	
Justification for direct award:	The contract can be provided only by a particular economic operator because of an absence of competition for technical reasons
Other justification:	LACDR is developing rapid metabolomics, lipidomics and exposomics measurements of blood and other biological samples. LACDR wants to analyse metabolites, lipids and small molecules quantitatively with a good dynamic range and at the same identify or confirm the identity of detected features. To expand our analytical capacity, LACDR requires an additional High-Resolution Mass Spectrometer. This system must seamlessly integrate into our existing analysis workflows, support our established analytical methods, and provide results comparable to those from our current systems. Additionally, compatibility with our in-house developed software is essential. The required MS system must offer high resolution for accurate mass measurement, a wide dynamic range, Rapid MS/MS capabilities, high sensitivity for precise quantification and conventional collision induced dissociation (CID) fragmentation as well as advanced electron activated dissociation (EAD) fragmentation combined with trapping of fragment ions using Zeno trapping to characterize lipids and metabolites. This acquisition will enable LACDR to enhance its metabolomics platform, improving both quantitative analysis and feature identification. Specifically, LACDR needs a MS system meeting the requirements below: 1. Internal mass accuracy of <0.2 and <0.5 ppm for the fragment ions m/z 813 and m/z 120 of Glu-Fibrinopeptide B, respectively 2. The instrument much contain a Zeno trap to allow a duty cycle for TOF-MS/MS higher than 90% to have sufficient sensitivity, and this must be available for full-scan MS/MS, MRMHR and IDA/DDA. 3. Good sensitivity defined by the following signal-to-noise (S/N) ratios: S/N ≥ 2500:1 using an ESI probe in full-scan TOF MS mode with a mass extraction window of 10 mDa for m/z 609.2806 for a 1 pg reserpine injection on column (ESI positive mode), and S/N ≥1000:1 using an ESI probe in full-scan TOF MS mode with a mass extraction window of 10 mDa for m/z 321.0050 for a 100 fg chloramphenicol injection on column (ESI negative mode). 4. MS must offer the following acquisition modes: TOF MS/MS, MRMHR, data independent acquisition (DIA)/SWATH scan mode using fixed and variable window acquisitions, and information dependent acquisition (IDA) /data dependent acquisition (DDA) scan modes. 5. The instrument must be capable of a scan speed of 25 Hz (25 spectra per second) for the TOF MS. For the TOF MS/MS the must be capable of a scan speed of 133 Hz (133 MS/MS spectra per second). 6. The instrument must be capable of a scan speed of 133 MS/MS scans per cycle in data independent mode (DIA) or with SWATH acquisition for both fixed window and variable window methodologies. 7. The mass range of the TOF has to be up to 40kDa, and the precursor ion selection mass range 5-2,250 Da. 8. The instrument must have a maximum scan speed of up to 25 Hz (25 spectra per second) for the TOF MS. For the TOF MS/MS the must have a maximum scan speed of up to 133 Hz (133 MS/MS spectra per second). 9. The instrument must have a dynamic range of ≥5 orders of magnitude in positive and negative mode from the limit of detection (LOD) without a signal reduction for both TOF MS and TOF MS/MS 10. The instrument must have a maximum scan speed of up to 133 MS/MS

Rijksoverheid

scans per cycle in data independent mode (DIA) or with SWATH acquisition for both fixed window and variable window methodologies. 11. The instrument must contain a user-tuneable electron-based fragmentation mode operating at electron energies from 0 eV to 25 eV (EAD). The instrument must support full-scan TOF MS/MS, MRMHR, DIA/SWATH acquisition and IDA/DDA scan modes with EAD. The Sciex 7600 MS is the only MS that can meet all these requirements.

6.1 Result lot Identifier: LOT-0000

6.1.2 Information about winners

Winner:	
Official name:	AB Sciex Netherlands B.V.
Tender:	
Tender identifier:	T122034
Identifier of lot or group of lots :	LOT-0000
The tender was ranked:	no
Subcontracting :	No
Subcontracting value is known :	no
Subcontracting percentage is known:	no
Contract information:	
Identifier of the contract:	21027588
Title:	ZenoToF 7600
Date on which the winner was chosen:	19/11/2024
The contract is awarded within a framework agreement:	no
Organisation signing the contract:	Universiteit Leiden

8. Organisations

8.1 ORG-0001

Official name:	Universiteit Leiden
Registration number:	27368929
Postal address :	Kolffpad 1
Town:	Leiden
Postcode:	2333BN
Country subdivision	Agglomeratie Leiden en Bollenstreek (NL337)

Rijksoverheid

(NUTS):	
Country:	Netherlands
Contact point:	Govert Schipperheijn
Email:	inkoop@ufb.leidenuniv.nl
Telephone:	+31715273304
Internet address:	https://www.universiteitleiden.nl/
Buyer profile:	https://s2c.mercell.com/buyer/19549

Roles of this organisation:

Buyer

Organisation signing the contract

Organisation whose budget is used to pay for the contract

Organisation executing the payment

8.1 ORG-0002

Official name:	Rechtbank Den Haag
Registration number:	82946175
Department:	Civiel
Postal address :	Postbus 20303
Town:	Den Haag
Postcode:	2500 EH
Country subdivision (NUTS):	Agglomeratie 's-Gravenhage (NL332)
Country:	Netherlands
Contact point:	Informatie
Email:	info@rechtspraak.nl
Telephone:	+31883622200
Internet address:	https://www.rechtspraak.nl/Organisatie-en-contact/Organisatie/Rechtbanken/Rechtbank-Den-Haag

Roles of this organisation:

Review organisation

8.1 ORG-0003

Official name:	AB Sciex Netherlands B.V.
Size of the economic operator:	Large
Registration number:	34271324
Postal address :	Eerste Tochtweg 11
Town:	Nieuwerkerk aan den IJssel
Postcode:	2913 LN
Country subdivision (NUTS):	Groot-Rijnmond (NL33C)
Country:	Netherlands

Rijksoverheid

Email:	sciexnow@sciex.com
Telephone:	0080022552279
Roles of this organisation:	
Tenderer	
Winner of these lots:	LOT-0000

11. Notice information

11.1 Notice information

Notice identifier /version:	d5979292-f134-4325-9641-a187dff97506 - 01
Form type:	Direct award preannouncement
Notice type:	Voluntary ex-ante transparency notice
Notice dispatch date:	20/11/2024 15:45 +00:00
Notice dispatch date (eSender):	20/11/2024 15:53 +00:00
Languages in which this notice is officially available:	English

11.2 Publication information

Rijksoverheid