1. Buyer

1.1 Buyer

Official name: Universiteit Leiden

2. Procedure

2.1 Procedure

Title: High-resolution liquid chromatography-mass spectrometry (LC-HRMS/MS) platform

Description: Supply, installation, commissioning, training, warranty, and associated software licenses for a high-resolution liquid chromatography-mass spectrometry (LC-HRMS/MS) platform for advanced metabolomics, lipidomics, and small-molecule analysis within the Institute of Biology Leiden Analytical Facility. The Institute of Biology Leiden (IBL) has decided to upgrade and expand the analytical capabilities of its centralized Analytical Facility through the acquisition of a new high-end LC-HRMS/MS platform. The Analytical Facility provides analytical support to multiple research groups within the Institute and serves a broad user community conducting research on plants, microorganisms, natural products, and related biological systems. The facility routinely performs metabolomics, lipidomics, small-molecule profiling, and quantitative analyses in support of both fundamental and applied biological research. To maintain state-of-the-art analytical capabilities and support future research requirements, IBL requires a next-generation LC-HRMS/MS platform capable of delivering reproducible, high-quality data for both untargeted discovery and targeted confirmation and quantification workflows. The intended applications involve the characterization of complex biological matrices containing chemically diverse metabolites, including sugars, amino acids, organic acids, flavonoids, lipids, natural products, and other low-abundance compounds occurring across a wide dynamic range. The instrument must support identification, structural characterization, confirmation, and quantification of these compounds while maintaining high analytical sensitivity and reproducibility. The required platform must therefore provide: • High mass accuracy and resolving power; • Broad quantitative dynamic range; • High MS/MS sensitivity for low-abundance analytes; • Rapid acquisition rates suitable for narrow chromatographic peaks; • Advanced structural characterization capabilities; • Reproducible quantitative performance; • Integrated targeted and untargeted workflows within a single platform; • Facility-scale operation suitable for multiple research groups and collaborative projects. Leiden University intends to award this contract through the negotiated procedure without prior publication pursuant to Article 2.32(1)(b)(2), read in conjunction with Article 2.32(3), of the Dutch Public Procurement Act 2012. This notice is published voluntarily in the interest of transparency and to inform the market of the University's intention prior to concluding the contract. Economic operators that consider themselves capable of providing a functionally equivalent solution capable of satisfying the complete scientific and technical requirements described in this notice may submit a substantiated response via email inkoop@ufb.leidenuniv.nl within 20 calendar days following publication of this notice. For each claimed equivalent capability, the response must include: Verifiable technical documentation; Details of the proposed configuration and software version; Reference installations; Evidence demonstrating compliance with all mandatory functional requirements; A proposed demonstration and/or acceptance-testing methodology. Leiden University will not conclude the contract before the expiry of this response period and will review all timely submissions. Should a credible and functionally equivalent alternative be demonstrated, the University will reconsider the proposed procurement procedure before reaching a final award decision.

Procedure identifier: d790149a-eedd-4f65-8e18-c61418f923de

Internal identifier: 3a5e35ab-8224-49f8-948c-cd87f33970b6

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

Rijksoverheid

classification (cpv):	38432200 Chromatographs
Additional classification (cpv):	38433000 Spectrometers

2.1.2 Place of performance

Town:	Leiden
Country subdivision (NUTS):	Agglomeratie Leiden en Bollenstreek (NL363)
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 liquid chromatography-mass spectrometry (LC-HRMS/MS) platform

Description: Supply, installation, commissioning, training, warranty, and associated software licenses for a high-resolution liquid chromatography-mass spectrometry (LC-HRMS/MS) platform for advanced metabolomics, lipidomics, and small-molecule analysis within the Institute of Biology Leiden Analytical Facility. The Institute of Biology Leiden (IBL) has decided to upgrade and expand the analytical capabilities of its centralized Analytical Facility through the acquisition of a new high-end LC-HRMS/MS platform. The Analytical Facility provides analytical support to multiple research groups within the Institute and serves a broad user community conducting research on plants, microorganisms, natural products, and related biological systems. The facility routinely performs metabolomics, lipidomics, small-molecule profiling, and quantitative analyses in support of both fundamental and applied biological research. To maintain state-of-the-art analytical capabilities and support future research requirements, IBL requires a next-generation LC-HRMS/MS platform capable of delivering reproducible, high-quality data for both untargeted discovery and targeted confirmation and quantification workflows. The intended applications involve the characterization of complex biological matrices containing chemically diverse metabolites, including sugars, amino acids, organic acids, flavonoids, lipids, natural products, and other low-abundance compounds occurring across a wide dynamic range. The instrument must support identification, structural characterization, confirmation, and quantification of these compounds while maintaining high analytical sensitivity and reproducibility. The required platform must therefore provide: • High mass accuracy and resolving power; • Broad quantitative dynamic range; • High MS/MS sensitivity for low-abundance analytes; • Rapid acquisition rates suitable for narrow chromatographic peaks; • Advanced structural characterization capabilities; • Reproducible quantitative performance; • Integrated targeted and untargeted workflows within a single platform; • Facility-scale operation suitable for multiple research groups and collaborative projects. Leiden University intends to award this contract through the negotiated procedure without prior publication pursuant to Article 2.32(1)(b)(2), read in conjunction with Article 2.32(3), of the Dutch Public Procurement Act 2012. This notice is published voluntarily in the interest of transparency and to inform the market of the University's intention prior to concluding the contract. Economic operators that consider themselves capable of providing a functionally equivalent solution capable of satisfying the complete scientific and technical requirements described in this notice may submit a substantiated response via email inkoop@ufb.leidenuniv.nl within 20 calendar days following publication of this notice. For each claimed equivalent capability, the response must include: Verifiable technical documentation; Details of the proposed configuration and software version; Reference installations; Evidence demonstrating compliance with all mandatory functional requirements; A proposed demonstration and/or acceptance-testing methodology. Leiden University will not conclude the contract before the expiry of this response period and will review all timely submissions. Should a credible and functionally equivalent alternative be demonstrated, the University will reconsider the proposed procurement procedure before reaching a final award decision.

Internal

Rijksoverheid

identifier:	42002663-63d2-4070-96de-f110428edef5

5.1.1 Purpose

Main nature of the contract :	Supplies
Main classification (cpv):	38433100 Mass spectrometer
Additional classification (cpv):	38432200 Chromatographs
Additional classification (cpv):	38433000 Spectrometers

5.1.2 Place of performance

Town:	Leiden
Country subdivision (NUTS):	Agglomeratie Leiden en Bollenstreek (NL363)
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 of the MS.
Category of award threshold criterion:	Weight (percentage, exact)
Award criterion number:	100

5.1.16 Further information, mediation and review

Review organisation:	Rechtbank Den Haag
Information about review deadlines:	Representations have to be made within 20 days of this publication, see under BT-24-Procedure
Organisation	

Rijksoverheid

signing the contract:	Universiteit Leiden

6. Results

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:	The procurement is based on functional scientific requirements established by the Analytical Facility and its user community. Acquisition capabilities The system must support: • Full-scan TOF MS; • TOF MS/MS; • Multiple Reaction Monitoring High Resolution (MRMHR); • Data Independent Acquisition (DIA); • SWATH acquisition using both fixed-window and variable-window methodologies; • Data Dependent Acquisition (DDA). The platform must support acquisition strategies enabling untargeted profiling, retrospective data interrogation, structural elucidation, confirmation, and quantitative analysis within a single analytical platform and software environment. Researchers must be able to re-interrogate acquired data without requiring repeat analysis of valuable biological samples. The platform must support scanning-quadrupole data-independent acquisition workflows in which precursor isolation continuously traverses the mass range during acquisition. This capability is required to improve precursor-fragment assignment, increase data density, enhance selectivity, and improve characterization and quantification of metabolites and lipids in complex biological samples. Performance requirements The platform must provide: • TOF MS acquisition rates of at least 25 spectra per second; • TOF MS/MS acquisition rates of at least 133 MS/MS spectra per second; • Precursor ion selection across an approximate mass range of 5-2,250 Da; • TOF mass range extending to approximately 40 kDa; • Dynamic range of at least five orders of magnitude in both positive and negative ionization modes; • Data-independent acquisition workflows capable of generating up to 200 MS/MS scans per acquisition cycle. • Fragmentation and structural analysis • The platform must provide: • Conventional collision-induced dissociation (CID); • User-adjustable electron-based fragmentation operating across an electron-energy range of approximately 0 to 25 eV; • Application of electron-based fragmentation within TOF MS/MS, MRMHR, DIA/SWATH, and DDA workflows; • The platform must incorporate ion accumulation and synchronized ion-release technology capable of significantly improving fragment-ion detection efficiency and duty cycle during TOF MS/MS acquisition. This capability is required to maximize sensitivity for low-abundance metabolites, lipids, and natural products present in complex biological matrices. The platform must further support complementary fragmentation workflows in which electron-based and collision-based fragmentation information can be acquired and interpreted together to facilitate structural elucidation of metabolites, lipids, isomers, and other compounds that cannot be adequately characterized using conventional collision-induced fragmentation alone. Integrated workflow The platform must provide a unified software environment for: • Instrument control; • Data acquisition; • Quantitative and qualitative data processing; • Library searching; • Structural interpretation; • Quality control; • Data review and export. The platform must support a complete workflow from discovery and retrospective data mining through confirmation and quantitative analysis without transferring methods between different instrument platforms. 7. Market assessment and demonstrations Prior to determining the preferred solution, Leiden University conducted a market assessment involving demonstrations and technical evaluations of LC-HRMS/MS platforms offered by multiple suppliers. The University's requirement is based not on any individual feature but on the need for a specific integrated combination of functionalities within a single vendor-supported platform. The required combination includes: • Enhanced fragment-ion utilization through ion accumulation and synchronized release technology significantly improving MS/MS sensitivity and fragment-ion detection efficiency; • High-speed scanning data-independent acquisition employing continuously moving precursor isolation windows; • Conventional collision-induced dissociation (CID); • User-tunable electron-activated dissociation (EAD); • Availability of both fragmentation approaches within targeted and untargeted workflows; • Support for TOF MS/MS, MRMHR, DIA/SWATH, and DDA acquisition strategies; • The ability to acquire complementary collision-based and electron-based fragmentation information for advanced structural elucidation; • Retrospective interrogation of acquired datasets for discovery, confirmation, and quantitative applications; • Integrated software for instrument control, acquisition, processing, structural interpretation, quality control, and data review. This combination enables a complete workflow from untargeted discovery and retrospective data mining through structural characterization, confirmation, and quantitative analysis without transferring data or methods between different analytical platforms. 9. Technical Exclusivity Based on the market assessment, supplier demonstrations, review of available product specifications, and evaluation of data generated from Leiden

Rijksoverheid

University's own biologically relevant samples, Leiden University has reached the preliminary conclusion that only the SCIEX ZenoTOF 7600+ platform currently provides the complete combination of mandatory scientific and technical capabilities required by the Analytical Facility. The full justification can be found on the Mercell website.

6.1 Result lot Identifier: LOT-0000

6.1.2 Information about winners

Winner:	
Official name:	AB Sciex Netherlands BV
Tender:	
Tender identifier:	T246060
Identifier of lot or group of lots:	LOT-0000
Value of the tender:	360 178,08 Euro
The tender was ranked:	no
Subcontracting :	No
Contract information:	
Identifier of the contract:	Q-239371
Date on which the winner was chosen:	19/11/2026
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 (NUTS):	Agglomeratie Leiden en Bollenstreek (NL363)
Country:	Netherlands
Contact point:	Govert Schipperheijn
Email:	g.m.schipperheijn@ufb.leidenuniv.nl
Telephone:	+31715273304
Internet address:	https://www.universiteitleiden.nl/
Buyer profile:	https://s2c.mercell.com/buyer/19549
Roles of this organisation:	

Rijksoverheid

Buyer

Organisation signing the contract

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 (NL361)
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 BV
Size of the economic operator:	Large
Registration number:	34271324
Town:	Nieuwekerk aan den IJssel
Postcode:	2913 LN
Country subdivision (NUTS):	Groot-Rijnmond (NL366)
Country:	Netherlands

Roles of this organisation:

Tenderer

Winner of these lots: LOT-0000

Notice information

Notice identifier /version:	1077dbd1-80b8-49bb-b550-d758d529de26 - 01
Form type:	Direct award preannouncement
Notice type:	Voluntary ex-ante transparency notice
Notice dispatch date:	20/11/2026 10:09 +00:00
Notice dispatch date	20/11/2026 10:09 +00:00

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(eSender):	
Languages in which this notice is officially available:	English

Rijksoverheid