

280963-2026 - Result

Denmark – Mass spectrometer – Dielectric-barrier discharge ionization interface for Orbitrap mass spectrometer

OJ S 80/2026 24/04/2026

Contract or concession award notice – standard regime

Supplies

1. Buyer

1.1. Buyer

Official name: Danmarks Tekniske Universitet - DTU

Email: kafre@dtu.dk

Legal type of the buyer: Body governed by public law

Activity of the contracting authority: Education

2. Procedure

2.1. Procedure

Title: Dielectric-barrier discharge ionization interface for Orbitrap mass spectrometer

Description: DTU Sustain is working with environmental forensics and metabolomic investigations to study the fate and occurrence of chemicals and small molecules dispersed into the environment. The work involves creating untargeted metabolomic and non-target chemical analysis data recordings of trace level chemicals in complex environmental samples using liquid chromatography hyphenated with ultrahigh-resolution mass spectrometry. To be able to make new and novel molecular characterizations and discoveries, DTU wants to procure a dielectric-barrier discharge ionization interface capable of being hyphenated with an existing Orbitrap mass spectrometer. Dielectric-barrier discharge ionization is a soft-ionization method is a promising alternative to traditional mass spectrometry ionization techniques. As an ambient ionization technique, dielectric-barrier discharge operates via a non-thermal plasma generated between two electrodes separated by a dielectric barrier. Unlike traditional ionization sources, it produces a rich mixture of reactive species (e.g., metastable atoms, radicals, photons, and ions) capable of ionizing a broader range of analytes through soft ionization mechanisms (e.g. proton transfer, adduct and Penning ionization). In addition, the combined system must be/have;

- Fitted to an Orbitrap Exploris series high-resolution mass spectrometer
- Enable for soft ionization of polycyclic aromatic hydrocarbons
- Capable of desorption and analyzing a solid-phase microextraction fiber in the interface
- A plug-n-play ion source that does not require calibration
- Capable of real-time recording of volatile organic chemicals
- Soft ionization mechanism based cold plasma, proton transfer and ultra-violet light
- No or reduced in-source fragmentation
- Potential for coupling with gas and liquid chromatography

Procedure identifier: 9ed8464d-fe40-4bd2-866e-96698ecc68dc

Previous notice: 5f02b59a-7aeb-4f0a-a6a0-75f645c868d0-01

Internal identifier: 10710

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): 38000000 Laboratory, optical and precision equipments (excl. glasses), 38400000 Instruments for checking physical characteristics, 38430000 Detection and analysis apparatus, 38433000 Spectrometers

2.1.2. Place of performance

Postal address: Anker Engelunds Vej

Town: Kgs. Lyngby

Postcode: 2800

Country subdivision (NUTS): Københavns omegn (DK012)

Country: Denmark

Additional information: The delivery must be at DTU Lyngby Campus.

2.1.4. General information

Call for competition is terminated

Legal basis:

Directive 2014/24/EU

The Danish Public Procurement Law - The Danish Public Procurement Law.

5. Lot

5.1. Lot: LOT-0000

Title: Dielectric-barrier discharge ionization interface for Orbitrap mass spectrometer

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Country: Denmark

Additional information: The delivery must be at DTU Lyngby Campus.

5.1.3. Estimated duration

Duration: 1 Year

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: Quality

Name: Kvalitet

Description: No procurement procedure has been carried out due to technical requirements.

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 100

5.1.15. Techniques

Framework agreement:

No framework agreement

Information about the dynamic purchasing system:

No dynamic purchase system

5.1.16. Further information, mediation and review

Review organisation: Klagenævnet for Udbud

Information about review deadlines: Complaint that the Contracting Authority, contrary to the Public Procurement Act, has concluded a contract without prior publication of a contract notice in the European Union Official Journal must be submitted no later than 30 calendar days from the date after a contract award notice has been published by the Contracting Authority in the European Union Official Journal and that contract award notice includes the grounds for the decision to award the contract directly, cf. lov om Klagenævnet for Udbud (Complaints Board for Tenders) § 7, section 3.

Organisation providing additional information about the procurement procedure: Danmarks Tekniske Universitet - DTU

Organisation providing offline access to the procurement documents: Danmarks Tekniske Universitet - DTU

Organisation providing more information on the review procedures: Konkurrence- og Forbrugerstyrelsen

Organisation whose budget is used to pay for the contract: Danmarks Tekniske Universitet - DTU

Organisation executing the payment: Danmarks Tekniske Universitet - DTU

Organisation signing the contract: Danmarks Tekniske Universitet - DTU

6. Results

Value of all contracts awarded in this notice: 74 030,00 EUR

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: Purchasing a dielectric-barrier discharge ion source (SICRIT) will fulfil the requirements from DTU Sustain and its broader user base and research areas as described above. No other supplier can deliver is similar system capable of solving the listed challenges. After extensive market research of commercially available systems and suppliers, DTU Sustain has concluded that the SICRIT system from Plasmion GmbH is the only instrument meeting the high technical requirements needed for DTU Sustain to perform the variety of state-of-the-art experimental environmental research.

6.1. Result lot identifier: LOT-0000

Winner selection status: At least one winner was chosen.

6.1.2. Information about winners

Winner:

Official name: Plasmion GmbH

Tender:

Tender identifier: Plasmion GmbH

Identifier of lot or group of lots: LOT-0000

Value of the tender: 74 030,00 EUR

The tender was ranked: no

The tender is a variant: no

Subcontracting: Not yet known

Contract information:

Identifier of the contract: Plasmion GmbH

Date on which the winner was chosen: 27/03/2026

Date of the conclusion of the contract: 17/04/2026

Organisation signing the contract: Danmarks Tekniske Universitet - DTU

6.1.4. Statistical information

Summary of the review requests the buyer received:

Number of complainants: 0

Received tenders or requests to participate:

Type of received submissions: Tenders

Number of tenders or requests to participate received: 1

8. Organisations

8.1. ORG-0001

Official name: Danmarks Tekniske Universitet - DTU

Registration number: 30060946

Postal address: Anker Engelunds Vej 1

Town: Kgs. Lyngby

Postcode: 2800

Country subdivision (NUTS): Københavns omegn (DK012)

Country: Denmark

Contact point: Katrine Freiesleben Petersen

Email: kafre@dtu.dk

Telephone: +45 45252525

Internet address: <https://www.dtu.dk>

Buyer profile: <https://eu.eu-supply.com/ctm/company/companyinformation/index/165863>

Roles of this organisation:

Buyer

Organisation providing additional information about the procurement procedure

Organisation providing offline access to the procurement documents

Organisation signing the contract

Organisation whose budget is used to pay for the contract

Organisation executing the payment

8.1. ORG-0002

Official name: Klagenævnet for Udbud

Registration number: 37795526

Postal address: Nævnenes hus, Toldboden 2

Town: Viborg

Postcode: 8800

Country subdivision (NUTS): Østjylland (DK042)

Country: Denmark

Email: kfu@erst.dk

Telephone: +45 35291000

Internet address: <http://www.kfu.dk>

Roles of this organisation:

Review organisation

8.1. ORG-0003

Official name: Konkurrence- og Forbrugerstyrelsen

Registration number: 10294819

Postal address: Carl Jacobsens Vej 35

Town: Valby

Postcode: 2500

Country subdivision (NUTS): Byen København (DK011)

Country: Denmark

Email: kfst@kfst.dk

Telephone: +45 41715000

Internet address: <http://www.kfst.dk>

Roles of this organisation:

Organisation providing more information on the review procedures

8.1. ORG-0004

Official name: Plasmion GmbH

Size of the economic operator: Small

Registration number: DE307614928

Town: Augsburg

Postcode: 86167

Country subdivision (NUTS): Augsburg, Kreisfreie Stadt (DE271)

Country: Germany

Contact point: Jan Bucek

Roles of this organisation:

Tenderer

Winner of these lots: LOT-0000

8.1. ORG-0005

Official name: Mercell Holding ASA
Registration number: 980921565
Postal address: Askekroken 11
Town: Oslo
Postcode: 0277
Country subdivision (NUTS): Oslo (NO081)
Country: Norway
Contact point: eSender
Email: publication@mercell.com
Telephone: +47 21018800
Fax: +47 21018801
Internet address: <http://mercell.com/>

Roles of this organisation:

TED eSender

Notice information

Notice identifier/version: 0ab56644-f953-4118-884e-c621ab4485d7 - 01

Form type: Result

Notice type: Contract or concession award notice – standard regime

Notice subtype: 29

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