

**Finland-Turun yliopisto: Laboratory, optical and precision equipments (excl. glasses)**  
**OJ S 159/2023 21/08/2023**  
**Contract award notice**  
**Supplies**

**Legal Basis:**

Directive 2014/24/EU

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**Section I: Contracting authority**

**I.1. Name and addresses**

Official name: Turun yliopisto  
National registration number: 0245896-3  
Postal address: Yliopistonmäki  
Town: Turun yliopisto  
NUTS code: FI1C1 Varsinais-Suomi  
Postal code: 20014  
Country: Finland  
E-mail: [procurement@utu.fi](mailto:procurement@utu.fi)  
**Internet address(es):**  
Main address: <http://www.utu.fi>

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

Body governed by public law

**I.5. Main activity**

Education

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**Section II: Object**

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

**II.1.1. Title**

High-performance accurate mass photometer

**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**

University of Turku intends to purchase a high-performance accurate mass photometer for Protein Structure and Chemistry core facility, Turku Bioscience Centre and Turku Protein Core.

**II.1.6. Information about lots**

This contract is divided into lots: no

**II.1.7. Total value of the procurement**

Value excluding VAT: 259 625,00 EUR

**II.2. Description**

### II.2.3. Place of performance

NUTS code: FI1C1 Varsinais-Suomi

### II.2.4. Description of the procurement

University of Turku intends to purchase a high-performance accurate mass photometer for Protein Structure and Chemistry core facility, Turku Bioscience Centre and Turku Protein Core.

### II.2.5. Award criteria

Price

### 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:  
yes

Identification of the project: Recovery and Resilience Facility

### II.2.14. Additional information

## Section IV: Procedure

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### IV.1. Description

#### IV.1.1. Type of procedure

Award of a contract without prior publication of a call for competition in the Official Journal of the European Union in the cases listed below

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

Explanation:

The high-performance automated mass photometer (TwoMP Auto) provided by Refeyn is currently the only instrument in the market which meets all the specific and necessary technical requirements to fulfil the uncompromising needs of the acquiring department as follows:- Our research requires accurate measurements of the molecular mass of biological macromolecules and particles. Contrary to other techniques, such as size-exclusion chromatography (SEC) and multiple angle light scattering (MALS), the new system will allow us to measure the molecular mass independently of the hydrodynamic radius of the samples, thus enabling the differentiation between samples of similar size but different mass, e.g., unloaded gene delivery viral particles.- Our research requires the exact characterization of complex samples. As the instrument measures scattering of individual molecules, it provides direct information about sub-populations, which is not possible in other techniques (e.g., SPR, BLI, DLS). Consequently, no extra chromatography step is required prior to the measurements. - Our research requires minimal sample amount at pM to nM range as most samples are recombinant proteins that are difficult to purify at high quantities. The required sample concentration is within the sensitivity range of the instrument. Moreover, the required sample volume for each measurement is a few microlitres, bringing the needed amount of the sample to nanogram levels (instrument sensitivity <<1ng).- The instrument carries out all the required measurements in the absence of any labelling or protein modifications, thus no prior 'sample engineering' is needed.- Our measurements require high spatial resolution (FWHM) - at least 25 kDa at 66 kDa and 60 kDa at 660 kDa.- Our research requires screening of various conditions. The instrument offers automated sample measurements with precise (2%) and

efficient mass characterization of 14 samples automatically measured and analyzed within 1 hr. According to the Act on Public Procurement and Concession Contracts (1397/2016) section 40 when only a certain supplier can implement the procurement for a technical reason, provided also that there are no reasonable alternatives or substitute solutions, and that the absence of competition is not due to an artificial narrowing of the terms and conditions of the procurement, the contract may be awarded only to a particular supplier and contracting authorities may award public contracts by a direct award. Prior to making decision the Contracting authority has inspected the relevant markets and available products and after careful consideration found its conclusion grounded.

#### **IV.1.3. Information about a framework agreement or a dynamic purchasing system**

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

The procurement is covered by the Government Procurement Agreement: yes

#### **IV.2. Administrative information**

#### **IV.2.8. Information about termination of dynamic purchasing system**

#### **IV.2.9. Information about termination of call for competition in the form of a prior information notice**

### **Section V: Award of contract**

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#### **Title:**

High-performance accurate mass photometer

A contract/lot is awarded: yes

#### **V.2. Award of contract**

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

09/08/2023

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

Number of tenders received: 1

Number of tenders received from SMEs: 1

Number of tenders received by electronic means: 0

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

##### **V.2.3. Name and address of the contractor**

Official name: Refeyn GmbH

National registration number: DE343188453

Town: Berlin

NUTS code: DE Deutschland

Country: Germany

The contractor is an SME: yes

##### **V.2.4. Information on value of the contract/lot**

Total value of the contract/lot: 259 625,00 EUR

##### **V.2.5. Information about subcontracting**

### **Section VI: Complementary information**

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### **VI.3. Additional information**

### **VI.4. Procedures for review**

#### **VI.4.1. Review body**

Official name: Markkinaoikeus

Postal address: Sörnäistenkatu 1

Town: Helsinki

Postal code: 00580

Country: Finland

E-mail: [markkinaoikeus@oikeus.fi](mailto:markkinaoikeus@oikeus.fi)

Telephone: +358 295643300

Internet address: <http://www.oikeus.fi/markkinaoikeus>

### **VI.5. Date of dispatch of this notice**

16/08/2023