

Sweden-Stockholm: Laboratory, optical and precision equipments (excl. glasses)

OJ S 127/2023 05/07/2023

Contract award notice

Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: Uppsala universitet

Town: Stockholm

NUTS code: SE11 Stockholm

Country: Sweden

E-mail: herman.arnemo@uu.se**Internet address(es):**Main address: <http://www.uu.se/>**I.4. Type of the contracting authority**

Ministry or any other national or federal authority, including their regional or local subdivisions

I.5. Main activity

Education

Section II: Object

II.1. Scope of the procurement**II.1.1. Title**

Revio system from Pacific Biosciences

Reference number: UH 2022/77

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

NGI-UGC intends to procure the high-throughput Revio sequencing system from Pacific Biosciences (PacBio), with respective software and hardware

II.1.6. Information about lots

This contract is divided into lots: no

II.1.7. Total value of the procurement

Value excluding VAT: 8 500 000,00 SEK

II.2. Description**II.2.3. Place of performance**

NUTS code: SE121 Uppsala län

II.2.4. Description of the procurement

NGI-UGC intends to procure the high-throughput Revio sequencing system from Pacific Biosciences (PacBio), with respective software and hardware

II.2.5. Award criteria

Quality criterion - Name: quality / Weighting: 100

Price - Weighting: 100

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

II.2.14. Additional information

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 Official Journal of the European Union in the cases listed below

- The works, supplies or services can be provided only by a particular economic operator for the following reason:
 - absence of competition for technical reasons

Explanation:

Uppsala Genome Center (NGI-UGC) is a node of the National Genomics Infrastructure, hosted by SciLifeLab. It is a sequencing production and research facility under the jurisdiction of Uppsala University, Department of Immunology, Genetics and Pathology. NGI-UGC is a non-profit, non-commercial supplier of long-read next generation sequencing services with a primary responsibility towards Swedish academic and industry users, and, as a secondary task, to such users world-wide. It is jointly financed by the Swedish Research Council, SciLifeLab and Uppsala University.

NGI-UGC intends to procure the high-throughput Revio sequencing system from Pacific Biosciences of California, Inc, corporate ID number 16-1590339, 1305 O'Brien Drive, Menlo Park, California, 94025, USA ("Pac Bio"), with respective software and hardware to incorporate it into the existing machine park of long-read sequencing technologies. DNA sequencing of long molecules is currently enabled by two different technologies: PacBio SMRT and Oxford Nanopore Technologies (ONT).

Whereas the ONT instrument that NGI-UGC already has in its possession produce ultra-long sequences by reading the DNA molecule once, the unique advantage of the Revio devices is the accuracy of the generated sequences. To achieve these highly accurate reads, the DNA molecule is read through several times generating a consensus sequence (HiFi read) with the base quality of over Q30, currently not possible with the ONT instrument. This would be the first Revio instrument in Sweden and possibly also in Europe.

The long and accurate HiFi sequences generated by the Revio system enables researchers to

study previously unresolved changes in genome architecture that are potentially causative of a variety of diseases, e.g. several types of cancers. It also allows deciphering complex parts of genomes, e.g. MHC and Ig – genome regions of high importance for organism immune response, pre-disposition to type I diabetes, etc.

Besides human genetics, the long and accurate HiFi reads can dramatically improve the quality of reference genome assemblies in non-model species, enabling research in biodiversity, conservation, evolution, environmental monitoring, etc.

In the latter regard, several large, high-profile international consortia are being formed worldwide, aiming to produce reference genomes for every branch of the Tree of Life (e.g. Earth BioGenome Project, EBP). NGI-UGC is now a partner in the EBP Consortium which raises the need to have a relevant equipment for large-scale production of long DNA sequences, which are key to obtain references compliant to the EBP quality parameters. PacBio Revio has a crucial role in this, due the ability to sequence long and accurate DNA molecules in a massively parallel way.

Therefore, procurement of the Revio system will not only allow the UU-owned branch of NGI to strengthen its position as a provider of long-read sequencing services to Swedish researchers, but will also enable the Swedish academia to continue producing cutting-edge research of international relevance.

On the circumstances above, it is decided to procure the PacBio Revio system by negotiated procedure without prior advertising on the basis of technical reasons.

Contract value is estimated to be around 8,5 mkr.

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.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2023/S 012-030009](#)

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

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

13/02/2023

V.2.2. Information about tenders

Number of tenders received: 1

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

V.2.3. Name and address of the contractor

Official name: Pacific Biosciences of California, Inc,

Town: Menlo Park

NUTS code: US United States

Country: United States

The contractor is an SME: no

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

Total value of the contract/lot: 8 500 000,00 SEK

V.2.5. Information about subcontracting

Section VI: Complementary information

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: Förvaltningsrätten i Uppsala

Town: Uppsala

Country: Sweden

VI.5. Date of dispatch of this notice

30/06/2023