

## 288531-2026 - Result

Denmark – Measuring instruments – Purchase of the Maxwell TWO for the Biotech Research and Innovation centre

OJ S 82/2026 28/04/2026

Contract or concession award notice – standard regime

Supplies - Services

### 1. Buyer

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#### 1.1. Buyer

Official name: Københavns Universitet

Email: [tmm@adm.ku.dk](mailto:tmm@adm.ku.dk)

Legal type of the buyer: Body governed by public law

Activity of the contracting authority: Education

### 2. Procedure

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#### 2.1. Procedure

Title: Purchase of the Maxwell TWO for the Biotech Research and Innovation centre

Description: The MaxWell Biosystems MaxTwo High-Density Microelectrode Array (HD-MEA) platform, including recording hardware, acquisition and analysis software, a dedicated workstation, and compatible multiwell HD-MEA consumables. The purpose of the purchase is to enable non-invasive electrophysiological recordings from neuronal and other excitable cell preparations in vitro with single-cell resolution. The system provides a high electrode density (3,265 electrodes/mm<sup>2</sup>) and low intrinsic noise levels (< 4 µVrms), supporting reliable detection of action potentials and downstream analyses such as spike sorting and single-unit discrimination. The small electrode dimensions (~12 µm) and small electrode pitch enable spatially resolved recordings and selective stimulation. A 24-well plate format is required to support parallel multi-condition experiments. The platform supports both 6-well and 24-well HD-MEA formats while maintaining comparable electrode density and recording performance. Each well provides a large sensing area (~8 mm<sup>2</sup>), enabling recordings from dense cultures, organoids, and tissue preparations. The system includes an integrated Axon Tracking Assay enabling analysis of axonal action potential propagation, conduction velocity, and label-free assessment of axonal morphology. The platform allows user-defined selection of stimulation electrodes within the multiwell configuration, supporting adaptable stimulation protocols. For experiments requiring continuous medium exchange, the system can be combined with an integrated perfusion system compatible with the 6-well format, enabling parallel recording of up to six brain slices. Overall, the MaxTwo HD-MEA platform is required to support current and planned research at the University of Copenhagen by enabling scalable multiwell single-cell electrophysiology and perfusion-compatible experimental workflows within one integrated system.

Procedure identifier: 5fb235e0-d700-4044-bfb1-843f84c53ac5

Previous notice: 27325bdd-599b-4bba-a7ca-cbca53e3909e-01

Internal identifier: 043-1711/25-7000

Type of procedure: Negotiated without prior call for competition

##### 2.1.1. Purpose

Main nature of the contract: Supplies

Additional nature of the contract: Services  
Main classification (cpv): 38300000 Measuring instruments

#### 2.1.2. Place of performance

Postal address: Ole Maaløes Vej 5  
Town: København  
Postcode: 2200  
Country subdivision (NUTS): Byen København (DK011)  
Country: Denmark

#### 2.1.4. General information

Call for competition is terminated  
**Legal basis:**  
Directive 2014/24/EU

## 5. Lot

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### 5.1. Lot: LOT-0000

Title: Purchase of the Maxwell TWO for the Biotech Research and Innovation centre  
Description: The MaxWell Biosystems MaxTwo High-Density Microelectrode Array (HD-MEA) platform, including recording hardware, acquisition and analysis software, a dedicated workstation, and compatible multiwell HD-MEA consumables. The purpose of the purchase is to enable non-invasive electrophysiological recordings from neuronal and other excitable cell preparations in vitro with single-cell resolution. The system provides a high electrode density (3,265 electrodes/mm<sup>2</sup>) and low intrinsic noise levels (< 4  $\mu$ Vrms), supporting reliable detection of action potentials and downstream analyses such as spike sorting and single-unit discrimination. The small electrode dimensions (~12  $\mu$ m) and small electrode pitch enable spatially resolved recordings and selective stimulation. A 24-well plate format is required to support parallel multi-condition experiments. The platform supports both 6-well and 24-well HD-MEA formats while maintaining comparable electrode density and recording performance. Each well provides a large sensing area (~8 mm<sup>2</sup>), enabling recordings from dense cultures, organoids, and tissue preparations. The system includes an integrated Axon Tracking Assay enabling analysis of axonal action potential propagation, conduction velocity, and label-free assessment of axonal morphology. The platform allows user-defined selection of stimulation electrodes within the multiwell configuration, supporting adaptable stimulation protocols. For experiments requiring continuous medium exchange, the system can be combined with an integrated perfusion system compatible with the 6-well format, enabling parallel recording of up to six brain slices. Overall, the MaxTwo HD-MEA platform is required to support current and planned research at the University of Copenhagen by enabling scalable multiwell single-cell electrophysiology and perfusion-compatible experimental workflows within one integrated system.

Internal identifier: 043-1711/25-7000

#### 5.1.1. Purpose

Main nature of the contract: Supplies  
Additional nature of the contract: Services  
Main classification (cpv): 38300000 Measuring instruments  
Quantity: 1

#### 5.1.2. Place of performance

Postal address: Ole Maaløes Vej 5

Town: København  
Postcode: 2200  
Country subdivision (NUTS): Byen København (DK011)  
Country: Denmark

#### 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: tildeling på opfyldelse af krav

Description: Der tildeles kontrakt til den virksomhed som kan opfylde de definerede krav til instrumentet

Category of award weight criterion: Weight (points, 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: I henhold til lov om Klagenævnet for Udbud gælder følgende frist for indgivelse af klage: Senest samtidig med at en klage indgives til Klagenævnet for Udbud, skal klageren skriftligt underrette ordregiveren om, at klage indgives til Klagenævnet for Udbud, og om, hvorvidt klagen er indgivet i den periode på 10 kalenderdage, som er fastsat i § 4, stk. 1, nr. 2. I tilfælde, hvor klagen ikke er indgivet i denne periode, skal klageren tillige angive, hvorvidt der begæres opsættende virkning af klagen, jf. § 12, stk. 1. Herefter klagefrist på 30 kalenderdage for klage over en ordregivers beslutning om, at ordregiveren har til hensigt at indgå kontrakt med en bestemt virksomhed og har anvendt proceduren i § 4. Klagefristen løber fra offentliggørelsen af bekendtgørelse om indgåelse af kontrakt, jf. § 7, stk. 3.

Organisation providing additional information about the procurement procedure: Københavns Universitet

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

Organisation whose budget is used to pay for the contract: Københavns Universitet

## 6. Results

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Value of all contracts awarded in this notice: unpublished

Justification code: Commercial interests of an economic operator

Justification for publishing later: begrundet af kontraktens genstand

Date of when this will be published: 09/04/2031

##### Direct award

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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 identified specific requirements can be based on market research only be met by this Supplier:

- Technical reasons: The MaxTwo system has a number of unique features that comes from proprietary technology/patents. For examples; A) Highest electrode density (3,265 electrodes/mm<sup>2</sup>) due to the highest number of electrodes per well and the smallest electrode pitch of 17.5µm (center-to-center electrode distance), enabling precise spike sorting and reliable single-unit discrimination. B) The ability to run 6- and 24- well plate formats with the same electrode density per well and up to 633,600 electrodes/plate. The upcoming 96well plate will also be compatible with the MaxTwo. C) Only system in the market with a dedicated and integrated assay for axonal tracking D) Smallest electrode size (11.5 x 11.5 µm<sup>2</sup>), allowing highly selective electrical stimulation on every electrode targeting single neurons and leveraging the built-in sophisticated and flexible stimulation circuitry. E) Lowest noise for a 24-Well Plate High Density-MEA (HD-MEA) system in the market with noise as low as 2.2 µVrms F) First High Density MEA (HD-MEA) 24-Well Plate with flexible electrode selection for electrical stimulation. G) First MEA multiwell system with a heating pad under its 24-Well Plates with a pending patent. This ensures steady temperature and prevent uneven results at the edges of the plates. H) Usable with the first fully-integrated 6-well plate perfusion system for HD-MEAs in the market.
- Exclusive rights: MaxWell Biosystems holds proprietary rights to the MaxTwo platform and all of its consumables.

#### 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: Maxwell Biosystems AG

##### Tender:

Tender identifier: MxW-39127-8

Identifier of lot or group of lots: LOT-0000

Value of the tender: unpublished

Justification code: Commercial interests of an economic operator

Justification for publishing later: Begrundet af kontraktens genstand.

Date of when this will be published: 09/04/2031

Subcontracting: Not yet known

##### Contract information:

Identifier of the contract: 043-2047/26-7000

Title: Contract for delivery of Maxwell TWO

Date of the conclusion of the contract: 09/04/2026

#### 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 from medium tenderers

Number of tenders or requests to participate received: 1

## 8. Organisations

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### 8.1. ORG-0001

Official name: Københavns Universitet

Registration number: 29979812  
Postal address: Nørregade 10  
Town: København K  
Postcode: 1165  
Country subdivision (NUTS): Byen København (DK011)  
Country: Denmark  
Contact point: Tina Marie Møller  
Email: [tmm@adm.ku.dk](mailto:tmm@adm.ku.dk)  
Telephone: +45 35327223  
Internet address: <http://www.ku.dk/>  
Buyer profile: <https://eu.eu-supply.com/ctm/company/companyinformation/index/166597>

**Roles of this organisation:**

Buyer

Organisation providing additional information about the procurement procedure

Organisation whose budget is used to pay for the contract

**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): Vestjylland (DK041)  
Country: Denmark  
Email: [kflu@naevneneshus.dk](mailto:kflu@naevneneshus.dk)  
Telephone: +45 72405600  
Internet address: <https://naevneneshus.dk/start-din-klage/klagenaevnet-for-udbud/>

**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): Københavns omegn (DK012)  
Country: Denmark  
Email: [kfst@kfst.dk](mailto:kfst@kfst.dk)  
Telephone: +45 41715000  
Internet address: <https://www.kfst.dk>

**Roles of this organisation:**

Organisation providing more information on the review procedures

**8.1. ORG-0004**

Official name: Maxwell Biosystems AG  
Size of the economic operator: Medium  
Registration number: CHE#178.600.178  
Postal address: Albisriederstrasse 253  
Town: zurich  
Postcode: 8447

Country subdivision (NUTS): Zürich (CH040)  
Country: Switzerland  
Contact point: Tom Dufor  
Email: [info@mxwbio.com](mailto:info@mxwbio.com)  
Telephone: 442442424  
Internet address: <http://www.mxwbio.com>

**Roles of this organisation:**

Tenderer

**Winner of these lots: LOT-0000**

**8.1. ORG-0005**

Official name: Merzell 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](mailto:publication@mercell.com)  
Telephone: +47 21018800  
Fax: +47 21018801  
Internet address: <http://mercell.com/>

**Roles of this organisation:**

TED eSender

## Notice information

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Notice identifier/version: 4419f726-4b04-441f-b794-bdb230ee3f4d - 01

Form type: Result

Notice type: Contract or concession award notice – standard regime

Notice subtype: 29

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