

398603-2026 - Result

Ireland – Laboratory, optical and precision equipments (excl. glasses) – Electromechanical Engineered Heart Tissue Bioreactor for Trinity College Dublin

OJ S 110/2026 10/06/2026

Contract or concession award notice – standard regime

Supplies

1. Buyer

1.1. Buyer

Official name: Trinity College Dublin the University of Dublin_336

Email: mireilly@tcd.ie

Legal type of the buyer: Body governed by public law

Activity of the contracting authority: Education

2. Procedure

2.1. Procedure

Title: Electromechanical Engineered Heart Tissue Bioreactor for Trinity College Dublin

Description: Cell culture compatible bioreactor platform capable of culturing 3D in vitro engineered muscle tissues (specifically cardiac) that can provide tunable electrical stimulation to tissues while allowing contraction of the tissue. The system should be able to monitor the system up to a speed of 15 kHz and have the capacity to measure contractile forces (inferred by contraction-enabled movement of supporting pillar structures) up to a sensitivity of 1 micro Newton. It should be able to culture volumes of 50 microlitres or less with a maximum of 500,000 cells present in the EHT. The system should be suited for a 24-well plate format with potential to upscale to 96 and/or 384 well plates with future upgrades. The system should be coupled with user-friendly software. It is necessary to program custom electrical stimulation and contraction force protocols per column in a 24 well plate by adjusting parameters such as amplitude, voltage, pulse width and the duration of the stimulation phase to create twitch or tetanic muscle stimuli for muscle tissue training.

Procedure identifier: 6c422399-7420-4210-97c8-9a79e86142a2

Previous notice: 54c682cc-6985-4b23-98a0-1707e976fa24-01

Type of procedure: Open

The procedure is accelerated: no

2.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

Additional classification (cpv): 38300000 Measuring instruments, 38340000 Instruments for measuring quantities, 38424000 Measuring and control equipment, 38423000 Pressure-measuring equipment, 38434500 Biochemical analysers, 38434540 Biomedical equipment, 38570000 Regulating and controlling instruments and apparatus, 38540000 Machines and apparatus for testing and measuring

2.1.2. Place of performance

Country subdivision (NUTS): Dublin (IE061)

Country: Ireland

2.1.3. Value

Estimated value excluding VAT: 200 000,00 EUR

2.1.4. General information

Legal basis:

Directive 2014/24/EU

5. Lot

5.1. Lot: LOT-0001

Title: Electromechanical Engineered Heart Tissue Bioreactor for Trinity College Dublin

Description: Cell culture compatible bioreactor platform capable of culturing 3D in vitro engineered muscle tissues (specifically cardiac) that can provide tunable electrical stimulation to tissues while allowing contraction of the tissue. The system should be able to monitor the system up to a speed of 15 kHz and have the capacity to measure contractile forces (inferred by contraction-enabled movement of supporting pillar structures) up to a sensitivity of 1 micro Newton. It should be able to culture volumes of 50 microlitres or less with a maximum of 500,000 cells present in the EHT. The system should be suited for a 24-well plate format with potential to upscale to 96 and/or 384 well plates with future upgrades. The system should be coupled with user-friendly software. It is necessary to program custom electrical stimulation and contraction force protocols per column in a 24 well plate by adjusting parameters such as amplitude, voltage, pulse width and the duration of the stimulation phase to create twitch or tetanic muscle stimuli for muscle tissue training.

Internal identifier: 0

5.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

Additional classification (cpv): 38300000 Measuring instruments, 38340000 Instruments for measuring quantities, 38424000 Measuring and control equipment, 38423000 Pressure-measuring equipment, 38434500 Biochemical analysers, 38434540 Biomedical equipment, 38570000 Regulating and controlling instruments and apparatus, 38540000 Machines and apparatus for testing and measuring

5.1.2. Place of performance

Country subdivision (NUTS): Dublin (IE061)

Country: Ireland

5.1.3. Estimated duration

Duration: 4 Years

5.1.5. Value

Estimated value excluding VAT: 200 000,00 EUR

5.1.6. General information

Procurement Project fully or partially financed with EU Funds.

The procurement is covered by the Government Procurement Agreement (GPA): yes

5.1.7. Strategic procurement

Aim of strategic procurement: Reduction of environmental impacts

Description: 10% weighting is assigned to Environmental and Sustainability section of the Award Criteria

Approach to reducing environmental impacts: Climate change mitigation

Green Procurement Criteria: National Green Public Procurement criteria

5.1.10. Award criteria

Criterion:

Type: Cost

Description: Cost @ 25%

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

Award criterion number: 25

Criterion:

Type: Quality

Description: Quality @ 75%

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

Award criterion number: 75

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: The High Court of Ireland

Organisation providing offline access to the procurement documents: Trinity College Dublin
the University of Dublin_336

Organisation providing more information on the review procedures: The High Court of Ireland

6. Results

Value of all contracts awarded in this notice: 187 500,00 EUR

6.1. Result lot identifier: LOT-0001

Winner selection status: At least one winner was chosen.

6.1.2. Information about winners

Winner:

Official name: Optics11 Life B.V

Tender:

Tender identifier: 000061000

Identifier of lot or group of lots: LOT-0001

Value of the tender: 187 500,00 EUR

Subcontracting: No

Contract information:

Identifier of the contract: 441430

Date on which the winner was chosen: 17/07/2024

Date of the conclusion of the contract: 18/07/2024

6.1.4. Statistical information

Received tenders or requests to participate:

Type of received submissions: Tenders

8. Organisations

8.1. ORG-0001

Official name: Trinity College Dublin the University of Dublin_336

Registration number: CHY 11

Postal address: 3 College Green

Town: Dublin

Postcode: D02 XH97

Country subdivision (NUTS): Dublin (IE061)

Country: Ireland

Email: mireilly@tcd.ie

Telephone: 018968586

Internet address: <https://www.tcd.ie>

Buyer profile: <https://www.tcd.ie>

Roles of this organisation:

Buyer

Organisation providing offline access to the procurement documents

8.1. ORG-0002

Official name: Optics11 Life B.V

Size of the economic operator: Medium

Registration number: 90256832

Postal address: Hettenheuvelweg 37-39

Town: Amsterdam

Postcode: 1101 BM

Country subdivision (NUTS): Groot-Amsterdam (NL32B)

Country: Netherlands

Email: fabienne.payen@optics11life.com

Telephone: +33 (0)7 88 52 54 51

Internet address: <https://www.optics11life.com/>

Roles of this organisation:

Tenderer

Winner of these lots: LOT-0001

8.1. ORG-0003

Official name: The High Court of Ireland

Registration number: The High Court of Ireland

Department: The High Court of Ireland

Postal address: Four Courts, Inns Quay, Dublin 7

Town: Dublin

Postcode: D07 WDX8

Country subdivision (NUTS): Dublin (IE061)

Country: Ireland

Email: HighCourtCentralOffice@courts.ie

Telephone: +353 1 8886000

Roles of this organisation:

Review organisation

Organisation providing more information on the review procedures

8.1. **ORG-0004**

Official name: European Dynamics S.A.

Registration number: 002024901000

Department: European Dynamics S.A.

Town: Athens

Postcode: 15125

Country subdivision (NUTS): Βόρειος Τομέας Αθηνών (EL301)

Country: Greece

Email: eproc-esender@eurodyn.com

Telephone: +30 2108094500

Roles of this organisation:

TED eSender

Notice information

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Form type: Result

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