

269946-2026 - Competition

Ireland – Laboratory, optical and precision equipments (excl. glasses) – RFT for the Supply, Delivery, Installation, Commissioning and Calibration of Isothermal Titration Calorimeter (ITC) for Protein Complexes for Trinity College Dublin

OJ S 77/2026 21/04/2026

Contract or concession notice – standard regime

Supplies

1. Buyer

1.1. Buyer

Official name: Education Procurement Service (EPS)

Email: info@educationprocurementservice.ie

Legal type of the buyer: Body governed by public law

Activity of the contracting authority: Education

2. Procedure

2.1. Procedure

Title: RFT for the Supply, Delivery, Installation, Commissioning and Calibration of Isothermal Titration Calorimeter (ITC) for Protein Complexes for Trinity College Dublin

Description: Trinity College Dublin require the supply of Isothermal Titration Calorimeter (ITC) for protein complexes for the deliverables of a Research Ireland grant. The calorimeter is required for measuring micro-calories of heat evolved or absorbed from protein-protein and protein-small molecule interactions in aqueous solution. The measurement involves multiple injections of ligand (protein, other macromolecules, small molecules) into a cell containing another protein, small molecule, or other macromolecules. The titration is performed under isothermal conditions using a reference cell containing water or related aqueous solution that is similar to the experimental cell. Changes in temperature between the two cells during injections are rapidly equilibrated using active power compensation that is calibrated for calories of heat. The properties of the isothermal titration calorimeter should include the following: (1) The tenderer SHOULD provide a new or recent state-of-the-art (ex-demo) model ITC calorimeter, and if ex-demo, it should be minimally used. Volume of experimental and reference cells should be approximately 200 micro-Liters. (2) Typical concentration ranges for analyses should ideally be in the range from 1 micro-Molar to 100 micro-Molar for macromolecules (typically proteins) in the cell, and 10 micro-Molar to 1M concentrations in the injections syringe for the ligand. (3) Preferred temperature range for isothermal titrations from 4 deg Celsius to 60 deg Celsius. (4) software that can analyse data and determine the Kd (dissociation constant), enthalpy, and entropy from analyses of the titrations. (5) Software should handle simple 1:1 binding models, with the possibility to analyse more complex interactions, such as multiple binding sites, sequential interactions. The capability to analyse complex binding with rigor would be a major advantage, as many interactions are not simple 1:1. (6) minimal generation of bubbles or artefactual heat, which may arise from high concentrations of viscous protein in cell (7) Ideally - prefer system/software compatibility with .opj files generated by Origin 7 (or later) software, since we have nearly 20 years of previous data collections. This could be transferred to new control computer for continuity. (8) New computer, drivers, and accessories required to run the calorimeter software.

Procedure identifier: bbad8441-c549-4e92-afa5-a28b1ef8d057

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): 38418000 Calorimeters, 38432000 Analysis apparatus, 38500000 Checking and testing apparatus

2.1.2. Place of performance

Country subdivision (NUTS): Dublin (IE061)
Country: Ireland

2.1.3. Value

Estimated value excluding VAT: 75 700,00 EUR

2.1.4. General information

Legal basis:
Directive 2014/24/EU

2.1.6. Grounds for exclusion

Sources of grounds for exclusion: Procurement Document

5. Lot

5.1. Lot: LOT-0001

Title: RFT for the Supply, Delivery, Installation, Commissioning and Calibration of Isothermal Titration Calorimeter (ITC) for Protein Complexes for Trinity College Dublin
Description: Trinity College Dublin require the supply of Isothermal Titration Calorimeter (ITC) for protein complexes for the deliverables of a Research Ireland grant. The calorimeter is required for measuring micro-calories of heat evolved or absorbed from protein-protein and protein-small molecule interactions in aqueous solution. The measurement involves multiple injections of ligand (protein, other macromolecules, small molecules) into a cell containing another protein, small molecule, or other macromolecules. The titration is performed under isothermal conditions using a reference cell containing water or related aqueous solution that is similar to the experimental cell. Changes in temperature between the two cells during injections are rapidly equilibrated using active power compensation that is calibrated for calories of heat. The properties of the isothermal titration calorimeter should include the following: (1) The tenderer SHOULD provide a new or recent state-of-the-art (ex-demo) model ITC calorimeter, and if ex-demo, it should be minimally used. Volume of experimental and reference cells should be approximately 200 micro-Liters. (2) Typical concentration ranges for analyses should ideally be in the range from 1 micro-Molar to 100 micro-Molar for macromolecules (typically proteins) in the cell, and 10 micro-Molar to 1M concentrations in the injections syringe for the ligand. (3) Preferred temperature range for isothermal titrations from 4 deg Celsius to 60 deg Celsius. (4) software that can analyse data and determine the Kd (dissociation constant), enthalpy, and entropy from analyses of the titrations. (5) Software should handle simple 1:1 binding models, with the possibility to analyse more complex interactions, such as multiple binding sites, sequential interactions. The capability to analyse complex binding with rigor would be a major advantage, as many interactions are not simple 1:1. (6) minimal generation of bubbles or artefactual heat, which may arise from high concentrations of viscous protein in cell (7) Ideally - prefer system/software compatibility with .

opj files generated by Origin 7 (or later) software, since we have nearly 20 years of previous data collections. This could be transferred to new control computer for continuity. (8) New computer, drivers, and accessories required to run the calorimeter software.

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): 38418000 Calorimeters, 38432000 Analysis apparatus, 38500000 Checking and testing apparatus

5.1.2. Place of performance

Country subdivision (NUTS): Dublin (IE061)

Country: Ireland

5.1.3. Estimated duration

Duration: 24 Months

5.1.5. Value

Estimated value excluding VAT: 75 700,00 EUR

5.1.6. General information

Reserved participation:

Participation is not reserved.

Procurement Project not financed with EU Funds.

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

5.1.7. Strategic procurement

Aim of strategic procurement: No strategic procurement

5.1.9. Selection criteria

Sources of selection criteria: Procurement Document

5.1.11. Procurement documents

Languages in which the procurement documents are officially available: English

Languages in which the procurement documents (or their parts) are unofficially available: English

Deadline for requesting additional information: 05/05/2026 12:00:00 (UTC+01:00) Central European Time, Western European Summer Time

Address of the procurement documents: <https://www.etenders.gov.ie/epps/cft/listContractDocuments.do?resourceId=7942566>

5.1.12. Terms of procurement

Terms of submission:

Electronic submission: Required

Address for submission: <https://www.etenders.gov.ie/epps/cft/viewTenders.do?resourceId=7942566>

Languages in which tenders or requests to participate may be submitted: English

Electronic catalogue: Not allowed

Tenderers may submit more than one tender: Allowed

Deadline for receipt of tenders: 12/05/2026 12:00:00 (UTC+01:00) Central European Time, Western European Summer Time

Duration during which the tender must remain valid: 12 Months

Information about public opening:

Opening date: 12/05/2026 12:30:00 (UTC+01:00) Central European Time, Western European Summer Time

Place: <https://www.etenders.gov.ie/epps/cft/prepareViewCftWS.do?resourceId=7942566>

Terms of contract:

The execution of the contract must be performed within the framework of sheltered employment programmes: Not yet known

Electronic invoicing: Not allowed

Electronic ordering will be used: no

Electronic payment will be used: no

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: Education Procurement Service (EPS)

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

Organisation receiving requests to participate: Education Procurement Service (EPS)

Organisation processing tenders: Education Procurement Service (EPS)

8. Organisations

8.1. ORG-0001

Official name: Education Procurement Service (EPS)

Registration number: IE 6609370 G

Postal address: Castletroy Limerick

Town: Limerick

Postcode: V94 DK53

Country subdivision (NUTS): Mid-West (IE051)

Country: Ireland

Email: info@educationprocurementservice.ie

Telephone: 061 234 283

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

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

Roles of this organisation:

Buyer

Organisation providing offline access to the procurement documents

Organisation receiving requests to participate

Organisation processing tenders

8.1. ORG-0002

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-0003

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

Notice identifier/version: 6e8e3e54-c2bf-4ff5-bf51-1799c53d4c5e - 01
Form type: Competition
Notice type: Contract or concession notice – standard regime
Notice subtype: 16
Notice dispatch date: 20/04/2026 10:00:28 (UTC+01:00) Central European Time, Western European Summer Time
Languages in which this notice is officially available: English
Notice publication number: 269946-2026
OJ S issue number: 77/2026
Publication date: 21/04/2026