Tender

Benchtop cabinet X-ray irradiation system

University of Salford

UK4: Tender notice - Procurement Act 2023 - view information about notice types
Notice identifier: 2025/S 000-050874
Procurement identifier (OCID): ocds-h6vhtk-058cdb (view related notices)
Published 22 August 2025, 12:57pm

Scope

Reference

UoS/OW/25/26/QTR1/Benchtop cabinet X-ray irradiation system

Description

We require a benchtop cabinet X-ray irradiation system for continuous and controlled irradiation of cell cultures. The unit should be safe and cost-effective. It must be fully shielded for safe installation directly within a standard laboratory, without requiring additional infrastructure modifications.

The irradiator should operate across a typical energy range suitable for biological research applications, with adequate tube voltage and current to deliver consistent and uniform cell doses. It should offer programmable or continuous exposure settings to allow flexibility in experimental design, and provide precise, reproducible dose delivery. Integrated systems must ensure uniform dose distribution and maintain thermal stability during operation.

The system must be simple to operate, with an intuitive user interface (e.g. touchscreen), and should not require specialist x-ray training. Secure, password-protected access must

be provided. The system should automatically record exposure and user activity, with data stored in a database that can be exported (e.g. via USB) for compliance and audit purposes.

The irradiation chamber should be large enough to accommodate a range of commonly used biological sample formats. It must provide full and uniform beam coverage across typical culture vessels, with appropriate source-to-sample distance to ensure consistent dose delivery.

The unit should have automatic warm-up functions to extend tube life, remote diagnostics and support capability, and certification for electrical safety (e.g. NRTL or equivalent). The system must operate from a standard 100-230 VAC, 50/60 Hz power supply and be suitable for direct connection to a standard laboratory socket.

For full tender information and to express an interest please visit our InTend portal via https://in-tendhost.co.uk/salford/aspx/Home.

Total value (estimated)

- £99,000 including VAT

Below the relevant threshold

Contract dates (estimated)

- 15 September 2025 to 15 April 2026
- 7 months, 1 day

Main procurement category

Goods

CPV classifications

- 33111000 - X-ray devices

Contract locations

- UKD3 - Greater Manchester

Participation

Particular suitability

Small and medium-sized enterprises (SME)

Submission

Tender submission deadline

5 September 2025, 12:00pm

Submission address and any special instructions

https://in-tendhost.co.uk/salford/aspx/Home

Tenders may be submitted electronically

Yes

Award criteria

Specifications 60%

Warranty/Aftercare/Service 10%

Price 20%

Sustainability 10%

Total 100%

Procedure

Procedure type

Below threshold - open competition

Documents

Associated tender documents

https://in-tendhost.co.uk/salford/aspx/Home

Full tender documentation can be accessed via InTend. All tender queries must be made via InTend.

Contracting authority

University of Salford

- Charity Commission (England and Wales): RC000666
- Public Procurement Organisation Number: PDHR-3751-QPQR

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United Kingdom

Email: procurement-finance@salford.ac.uk

Region: UKD34 - Greater Manchester South West

Organisation type: Public authority - sub-central government