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Award

**The Supply and Installation of a HIGH RESOLUTION  
FOURIER TRANSFORM BENCH-TOP LIQUID  
CHROMATROGRAPHY-ORBITRAP MASS  
SPECTROMETER (THERMO ORBITRAP EXPLORIS 240) to  
the University of Birmingham University of Birmingham  
Project Reference: SC10850/25**

THE UNIVERSITY OF BIRMINGHAM

UK6: Contract award notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-083023

Procurement identifier (OCID): ocds-h6vhtk-05f32f ([view related notices](#))

Published 15 December 2025, 3:59pm

## Scope

## Reference

SC10850/25

## Description

Total cost excluding VAT: £356,548.16

The equipment (Thermo Orbitrap Exploris 240) that we are requesting will permit us to detect changes in multiple metabolic

pathways in a single analytical run as it combines the high mass resolution observed in 'multi-reflecting time of flight'

instruments with increased sensitivity giving the ability to detect and gain additional molecular information on high numbers of

metabolites present in low abundance as found in with 'triple quadrupole' instruments.

Importantly for us (Metabolic Tracer Analysis Core (MTAC)), the high mass resolution will also allow us to deconvolute

changes in mass due to incorporation of different stable isotopes (e.g.

$^{15}\text{N}$ ,  $^{13}\text{C}$ ,  $^2\text{H}$ ), giving us the ability to examine nutrient use in more complex ways.

This model is the only such instrument - the 'Orbitrap' part of the mass spectrometer is what provides this capability highlighted

above, and Thermo Electron Manufacturing Limited trading as Thermo Fisher Scientific hold the patent for this technology.

It includes nitrogen generator with high purity collision gas module, biocompatible liquid chromatography system, and full

system integration with proprietary Thermo software (including tracing analysis software), all required to maintain the scientific

edge of our metabolic research.

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**Contract 1. Supply and Installation of a HIGH RESOLUTION  
FOURIER TRANSFORM BENCH-TOP LIQUID  
CHROMATOGRAPHY-ORBITRAP MASS SPECTROMETER  
(THERMO ORBITRAP EXPLORIS 240) to the University of  
Birmingham University of Birmingham Project Reference:  
SC10850/25**

## **Supplier**

- Thermo Electron Manufacturing Limited

## **Contract value**

- £356,548 excluding VAT
- £477,240 including VAT

Above the relevant threshold

## **Award decision date**

15 December 2025

## **Standstill period**

- End: 24 December 2025
- 8 working days

## **Earliest date the contract will be signed**

25 December 2025

## **Contract dates (estimated)**

- 25 December 2025 to 27 March 2026
- 3 months, 3 days

## **Main procurement category**

Goods

## **CPV classifications**

- 38433100 - Mass spectrometer

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## **Procedure**

### **Procedure type**

Direct award

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## **Supplier**

### **Thermo Electron Manufacturing Limited**

- Companies House: 441506
- Public Procurement Organisation Number: PQNM-6125-XPWL

3rd Floor, 1 Ashley Road

Altrincham

WA14 2DT

United Kingdom

Email: [tenders.cmd.hemel@thermofisher.com](mailto:tenders.cmd.hemel@thermofisher.com)

Website: <https://corporate.thermofisher.com>

Region: UKD34 - Greater Manchester South West

Small or medium-sized enterprise (SME): No

Voluntary, community or social enterprise (VCSE): No

Supported employment provider: No

Public service mutual: No

Contract 1. Supply and Installation of a HIGH RESOLUTION FOURIER TRANSFORM BENCH-TOP LIQUID CHROMATOGRAPHY-ORBITRAP MASS SPECTROMETER (THERMO ORBITRAP EXPLORIS 240) to the University of Birmingham University of Birmingham Project Reference: SC10850/25

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## Contracting authority

### THE UNIVERSITY OF BIRMINGHAM

- Companies House: RC000645
- Public Procurement Organisation Number: PHCQ-3464-LVTM

Edgbaston

Birmingham

B15 2TT

United Kingdom

Contact name: Samina Rana

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Website: <http://www.birmingham.ac.uk>

Region: UKG31 - Birmingham

Organisation type: Public authority - sub-central government