

# Resource Summary Report

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## University of Edinburgh Clinical Research Mass Spectrometry Core Facility

RRID:SCR\_021833

Type: Tool

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### Proper Citation

University of Edinburgh Clinical Research Mass Spectrometry Core Facility  
(RRID:SCR\_021833)

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### Resource Information

**URL:** <https://www.ed.ac.uk/clinical-research-facility/core-services/mass-spectrometry>

**Proper Citation:** University of Edinburgh Clinical Research Mass Spectrometry Core Facility (RRID:SCR\_021833)

**Description:** Core is part of Edinburgh Clinical Research Facility, situated in the Centre for Cardiovascular Sciences in the Queen's Medical Research Institute. We train and host undergraduate students, PhD and post-doctoral students in practical skills and mass spectrometry operation. We have expertise in sample preparation, separation and mass spectrometry analysis for targeted small molecule analysis in clinical and pre-clinical studies. We operate under Good Clinical Practice for laboratories for clinical studies. Steroids, drugs and endogenous molecules and metabolic pathways in plasma, serum, tissue. We also have Imaging Mass spectrometry capabilities with a Waters Synapt G2Si, MALDI and DESI.

**Synonyms:** Edinburgh Clinical Research Facility, Mass Spectrometry Core

**Resource Type:** core facility, service resource, access service resource

**Keywords:** USEDit, ABRF, mass spectrometry, targeted small molecule analysis, Imaging Mass spectrometry

**Resource Name:** University of Edinburgh Clinical Research Mass Spectrometry Core Facility

**Resource ID:** SCR\_021833

**Alternate IDs:** ABRF\_1248

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=1248>

**Record Creation Time:** 20220129T080357+0000

**Record Last Update:** 20260731T043112+0000

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## Ratings and Alerts

No rating or validation information has been found for University of Edinburgh Clinical Research Mass Spectrometry Core Facility.

No alerts have been found for University of Edinburgh Clinical Research Mass Spectrometry Core Facility.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 14 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#) .

Boyle LD, et al. (2025) The NE/AAT/CBG axis regulates adipose tissue glucocorticoid exposure. Nature communications, 16(1), 545.

Homer NZM, et al. (2025) Luteal phase oral dexamethasone administration alters endometrial steroid milieu. Endocrine connections, 14(5).

Ntshangase S, et al. (2025) Spatial lipidomic profiles of atherosclerotic plaques: A mass spectrometry imaging study. Talanta, 282, 126954.

Sandor LF, et al. (2024) De novo steroidogenesis in tumor cells drives bone metastasis and osteoclastogenesis. Cell reports, 43(3), 113936.

Lovdel A, et al. (2024) Deletion of Hsd11b1 suppresses caloric restriction-induced bone marrow adiposity in male but not female mice. The Journal of endocrinology, 262(2).

Kyle CJ, et al. (2024) Proof of concept for a superior therapeutic index of corticosterone compared with hydrocortisone in patients with congenital adrenal hyperplasia. European journal of endocrinology, 191(6), 535.

Denham SG, et al. (2024) A practical approach to supported liquid extraction and measurement of 18 steroids in plasma and serum by targeted liquid chromatography tandem mass spectrometry. MethodsX, 12, 102728.

Baldwin SN, et al. (2023) Marked oestrous cycle-dependent regulation of rat arterial KV 7.4 channels driven by GPER1. British journal of pharmacology, 180(2), 174.

Cartwright JA, et al. (2023) Analysis of AT7519 as a pro-resolution compound in an acetaminophen-induced mouse model of acute inflammation by UPLC-MS/MS. Journal of

inflammation (London, England), 20(1), 20.

Luo Y, et al. (2023) Thiosulfate sulfurtransferase deficiency promotes oxidative distress and aberrant NRF2 function in the brain. *Redox biology*, 68, 102965.

Suchacki KJ, et al. (2023) The serotonin transporter sustains human brown adipose tissue thermogenesis. *Nature metabolism*, 5(8), 1319.

Ginnell L, et al. (2022) Emotion regulation and cortisol response to the still-face procedure in preterm and full-term infants. *Psychoneuroendocrinology*, 141, 105760.

Toews JNC, et al. (2022) Corticosteroid-binding Globulin (SERPINA6) Establishes Postpubertal Sex Differences in Rat Adrenal Development. *Endocrinology*, 163(11).

Ludwig M, et al. (2022) Provocative tests with Kisspeptin-10 and GnRH set the scene for determining social status and environmental impacts on reproductive capacity in male African lions (*Panthera leo*). *General and comparative endocrinology*, 329, 114127.