

Resource Summary Report

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University of Edinburgh Clinical Research Mass Spectrometry Core Facility

RRID:SCR_021833

Type: Tool

Proper Citation

University of Edinburgh Clinical Research Mass Spectrometry Core Facility
(RRID:SCR_021833)

Resource Information

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

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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: access service resource, core facility, 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: 20260821T194207+0000

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.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Chakraborty S, et al. (2026) Cortisol-resistant CAR-NK cells overcome steroid-induced immunosuppression in lung cancer. *Signal transduction and targeted therapy*, 11(1).

Stasinopoulos I, et al. (2026) Localisation of corticosteroids in male mouse kidney by mass spectrometry imaging. *Journal of molecular endocrinology*, 76(2).

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

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

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.

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.

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).

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.

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

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

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.