

Resource Summary Report

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Northwestern University Mary Beth Donnelley Clinical Pharmacology Core Facility

RRID:SCR_017768

Type: Tool

Proper Citation

Northwestern University Mary Beth Donnelley Clinical Pharmacology Core Facility
(RRID:SCR_017768)

Resource Information

URL: <http://www.feinberg.northwestern.edu/research/cores/units/clin-pharm.html>

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Description: Core provides quantitative mass spectrometry based support for in vitro studies and both preclinical and clinical studies of variety of small molecules, including cancer chemotherapeutic agents, analgesics, and antidepressants. Expertise includes optimizing design, conduct, analysis, interpretation, and reportage of pharmacokinetic studies. Helps with biological sample preparation, quantitative mass spectrometric drug concentration measurement, and drug concentration versus time data modeling. Small molecule concentrations in plasma and other body fluids are measured using Sciex 6500 QTrap with UPLC and nano LC or an Agilent HPLC system linked to Applied Biosystems API 3000 triple quadrupole mass spectrometer after sample preparation by, for example, solid-phase extraction. Drug concentration versus time relationships are fitted to various compartmental pharmacokinetic models using commercially available and specialized software.

Synonyms: Mary Beth Donnelley Clinical Pharmacology Core Facility

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

Keywords: Clinical, pre clinical, pharmacology, quantitative, mass, spectrometry, cancer, chemotherapeutic, agent, analgesic, antidepressant, design, analysis, pharmacokinetic, study, drug, concentration, measure, sample, preparation, service, core

Funding: NIH Office of the Director S10 OD021786

Availability: Restricted

Resource Name: Northwestern University Mary Beth Donnelley Clinical Pharmacology Core Facility

Resource ID: SCR_017768

Alternate IDs: ABRF_326

Record Creation Time: 20220129T080336+0000

Record Last Update: 20260912T200401+0000

Ratings and Alerts

No rating or validation information has been found for Northwestern University Mary Beth Donnelley Clinical Pharmacology Core Facility.

No alerts have been found for Northwestern University Mary Beth Donnelley Clinical Pharmacology Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.