

Resource Summary Report

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Indiana University School of Medicine Center for Diabetes and Metabolic Diseases Islet and Physiology Core Facility

RRID:SCR_015081

Type: Tool

Proper Citation

Indiana University School of Medicine Center for Diabetes and Metabolic Diseases Islet and Physiology Core Facility (RRID:SCR_015081)

Resource Information

URL: <https://medicine.iu.edu/research-centers/diabetes/cores/islet-physiology>

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Description: Services include islet isolation services from mice and rats and access to porcine and human islets. The core is equipped with BioRep Perifusion Apparatus for measurement of insulin secretion and offers services for islet and beta cell calcium imaging. Provides services for islet transplantation and assists investigators who wish to perform immunohistochemistry, immunofluorescence and/or analysis of endocrine or beta cell mass on whole pancreata from mouse and rat models. Offers services for rodent metabolic characterization, including performance of insulin and glucose tolerance testing, analysis of body composition, and metabolic cage analysis using the TSE System cages. Recently added services include zebrafish characterization to screen genes and small molecules for their effects on islet development and function.

Synonyms: , Islet and Physiology Core, Indiana Diabetes Research Center Islet and Physiology Core, Indiana Diabetes Research Center Islet and Physiology Core Facility, Indiana University School of Medicine Center for Diabetes and Metabolic Diseases Islet and Physiology Core

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

Keywords: islets, physiology, diabetes research, islet transplantation services, beta cell mass analysis, whole pancreata, mouse, rat

Related Condition: Diabetes

Funding: IUPUI Signature Center Initiative ;
NIDDK P30DK097512

Availability: Open

Resource Name: Indiana University School of Medicine Center for Diabetes and Metabolic Diseases Islet and Physiology Core Facility

Resource ID: SCR_015081

Alternate IDs: ABRF_2889

Alternate URLs:

https://iu.ilab.agilent.com/service_center/show_external/5519/islet_physiology_core

Old URLs: <http://cdmd.indiana.edu/research-core/the-islet-core/>,
<https://coremarketplace.org/?FacilityID=2889&citation=1>

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260905T133401+0000

Ratings and Alerts

No rating or validation information has been found for Indiana University School of Medicine Center for Diabetes and Metabolic Diseases Islet and Physiology Core Facility.

No alerts have been found for Indiana University School of Medicine Center for Diabetes and Metabolic Diseases Islet and Physiology Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.