# **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:** <a href="https://medicine.iu.edu/research-centers/diabetes/cores/islet-physiology">https://medicine.iu.edu/research-centers/diabetes/cores/islet-physiology</a>

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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: core facility, service resource, access service resource

Keywords: islets, physiology, diabetes research, islet transplantation services, beta cell

mass analysis, whole pancreata, mouse, rat

**Related Condition: Diabetes** 

**Funding:** NIDDK P30DK097512; IUPUI Signature Center Initiative

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:** 20250517T060159+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.