

# Resource Summary Report

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## University of Pennsylvania School of Medicine Penn Diabetes Research Center Pancreatic Islet Cell Biology Core Facility

RRID:SCR\_008265

Type: Tool

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### Proper Citation

University of Pennsylvania School of Medicine Penn Diabetes Research Center Pancreatic Islet Cell Biology Core Facility (RRID:SCR\_008265)

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### Resource Information

**URL:** <http://www.med.upenn.edu/idom/drc/cores/cellbio.html>

**Proper Citation:** University of Pennsylvania School of Medicine Penn Diabetes Research Center Pancreatic Islet Cell Biology Core Facility (RRID:SCR\_008265)

**Description:** Core that gives support including experimental design, islet isolation, and performance of and training in an expansive range of assays for physiological and morphometric assessment of pancreatic islet function and growth. It contributes to the basic and translational research activities of the Institute of Diabetes, Obesity and Metabolism (IDOM) at the Perelman School of Medicine of the University of Pennsylvania. Its services include perform individual islet and single cell fluorescence imaging, respirometry with islet batches using a Seahorse Extracellular Flux Analyzer, perfusion coupled with respirometry, and closed respirometry experiments for our investigators.

**Synonyms:** Penn Diabetes Research Center Pancreatic Islet Cell Biology Core

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

**Keywords:** calcium imaging, mitochondrial function, morphometry, islet isolation

**Related Condition:** Diabetes

**Funding:** NIDDK P30DK19525

**Availability:** Available to the DRC community, Fee for service

**Resource Name:** University of Pennsylvania School of Medicine Penn Diabetes Research Center Pancreatic Islet Cell Biology Core Facility

**Resource ID:** SCR\_008265

**Alternate IDs:** nlx\_156487

**Record Creation Time:** 20220129T080246+0000

**Record Last Update:** 20250403T060728+0000

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## Ratings and Alerts

No rating or validation information has been found for University of Pennsylvania School of Medicine Penn Diabetes Research Center Pancreatic Islet Cell Biology Core Facility.

No alerts have been found for University of Pennsylvania School of Medicine Penn Diabetes Research Center Pancreatic Islet Cell Biology Core Facility.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.