

Resource Summary Report

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Low-Dose Streptozotocin Induction Protocol (mouse)

DOI:10.17504/protocols.io.8izhuf6

Type: Protocol

Proper Citation

Frank Brosius 2019. Low-Dose Streptozotocin Induction Protocol (mouse). protocols.io dx.doi.org/10.17504/protocols.io.8izhuf6

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.8izhuf6>

Authors: Frank Brosius

Group: Diabetic Complications Consortium

Summary: This protocol is used by DiaComp members to induce diabetes in a number of the animal models developed by the consortium. STZ is toxic to the insulinproducing beta cells of the pancreas and used to induce a diabetes similar to a type I diabetic (Reference). Some reports suggest cellular toxicity outside of the pancreas. STZ also exhibits broad spectrum antibacterial properties and alters the gut microbiota. Please ensure that appropriate controls are included in all studies and complementary models considered (e.g. the Ins2Akita mouse).Diabetic Complications:

Affiliations: University of Arizona

External URL: <https://www.diacomp.org/shared/document.aspx?id=19&docType=Protocol>

Version: 2

Publication Date: 2019

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Record Creation Time: 20210329T220536+0000

Record Last Update: 20210329T221032+0000

Data and Source Information

Source: