

Resource Summary Report

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Neuropathy Phentotyping Protocols - Hematoxylin and Eosin Staining

DOI:10.17504/protocols.io.3jsgkne

Type: Protocol

Proper Citation

Eva Feldman 2019. Neuropathy Phentotyping Protocols - Hematoxylin and Eosin Staining. protocols.io dx.doi.org/10.17504/protocols.io.3jsgkne

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.3jsgkne>

Authors: Eva Feldman

Group: Diabetic Complications Consortium

Summary: Summary:Phenotyping of Rodents for the Presence of Diabetic Neuropathy In man, the development of diabetic neuropathy is dependent on both the degree of glycemic control and the duration of diabetes. Diabetic neuropathy is a progressive disorder, with signs and symptoms that parallel the loss of nerve fibers over time. Consequently, assessments of neuropathy in mice are not performed at one time point, but are characterized at multiple time points during a 6 month period of diabetes. The degree of diabetes is evaluated in 2 ways: tail blood glucose measured following a 6 hour fast and glycated hemoglobin levels. The initial degree of neuropathy is screened using the methods discussed below. Detailed measures of neuropathy are employed when the initial screening instruments indicate a profound or unique phenotypic difference. This document contains protocols used by the DiaComp staff to examine and measure diabetic neuropathy at the whole animal, tissue and cellular levels.Diabetic Complication:Reference: AFIP Laboratory Methods in Histotechnology, 1994, p. 16, 53-55.

Affiliations: University of Michigan - Ann Arbor

External URL: <https://www.diacomp.org/shared/document.aspx?id=54&docType=Protocol>

Version: 1

Publication Date: 2019

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Record Creation Time: 20210329T220524+0000

Record Last Update: 20210329T220905+0000

Data and Source Information

Source: