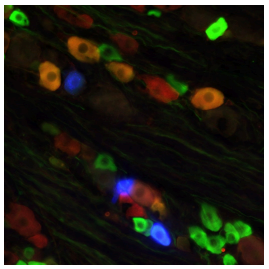
Nov 08, 2019

Immunohistochemical classification of sensory and autonomic neurons projecting to the lower urinary tract in rats [keast-001]



DOI
dx.doi.org/10.17504/protocols.io.w3gfgjw

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Protocol status: Working

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Keywords: retrograde tracing, tract tracing, neural circuits, tissue preservation, tissue fixation, immunohistochemistry, immunofluorescence

Abstract

This collection describes the procedures required to label, visualise, characterise and quantify neurons that innervate the lower urinary tract tissues of adult male and female Sprague-Dawley rats. This collection includes protocols for:

STAGE 1: Surgery to micro-inject fluorescent retrograde tracer dyes into one or more sites within the lower urinary tract

STAGE 2: Intracardiac perfusion with fixative to preserve neural tissues of interest

STAGE 3: Fluorescence immunohistochemistry of ganglion cryosections.

Files

SEARCH

Protocol

NAME

Use of tracer dyes to label neural projections to lower urinary tract organs [keast-001-stage01]

VERSION 1

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Intracardiac perfusion with fixative for anatomical studies [keast-001-stage02]

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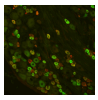

NAME

Immunohistochemical analysis of ganglion neurons innervating the lower urinary tract [keast-001-stage03]

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