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

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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.

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

FILES

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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