

Resource Summary Report

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Electrophysiological recording of electrically-evoked compound action potentials

DOI:10.17504/protocols.io.bfwyjpfw

Type: Protocol

Proper Citation

James Fallon, Sophie Payne 2020. Electrophysiological recording of electrically-evoked compound action potentials. protocols.io dx.doi.org/10.17504/protocols.io.bfwyjpfw

Protocol Information

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

Authors: James Fallon, Sophie Payne

Group: SPARC

Summary: Recording electrically-evoked compound action potentials (ECAPs) is performed to confirm that the electrode array is appropriately placed along the nerve. Recording ECAPS also allows confirmation that electrical stimulation is above neural threshold i.e. that electrical stimulation activates neural activity. The procedure is performed under anesthesia (immediately post-surgery) or in awake animals, and the procedure should incorporate all local requirements for standards of animal experimentation.

Affiliations: Bionics Institute, Bionics Institute

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