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TITLE

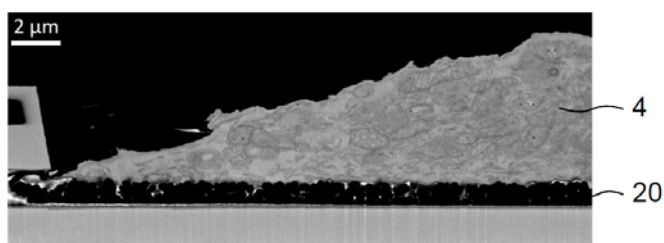
Method and Device for the Registration of Intracellular Action Potentials in Electrogenic Cells

INVENTORS

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DESCRIPTION

The invention relates to a method for recording intracellular action potentials in electrogenic cells. The method comprises the following steps: positioning of a sample with the cells on a multi-electrode matrix, incubation or perfusion of the sample, focalization of a laser on the surface of the matrix electrodes, which surface is in contact with the sample, application of one or more laser pulses to one or more electrodes of the matrix to effect a localized breakdown of the cell membrane of the sample, recording of intracellular action potentials.



APPLICATIONS

Cells action potentials measurement

KEYWORDS

Electrogenic cells, matrix, electrodes, lasers, action potentials, poration

BIBLIOGRAPHIC DATA

Metodo E Dispositivo Per La Registrazione Di Potenziali D'azione Intracellulari In Cellule Elettrogeniche

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