

Title (en)

HIGH-DENSITY ION TRANSPORT MEASUREMENT BIOCHIP DEVICES AND METHODS

Title (de)

BIOCHIP-VORRICHTUNGEN MIT HOHER DICHT E ZUR IONENTRANSPORTMESSUNG UND VERFAHREN DAMIT

Title (fr)

DISPOSITIFS ET PROCEDES DE BIOPUCE DE MESURE DE TRANSPORT IONIQUE A DENSITE ELEVEE

Publication

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Application

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Abstract (en)

[origin: WO2005098396A2] The present invention provides novel biochips, biochip-based devices, and device configurations that can be used for ion transport measurement. The chips, devices, and designs of the present invention are particularly suited to high-throughput assays such as compound screening assays using patch clamping techniques. The invention includes high-density biochips made by novel methods and methods of making high density biochips, and also provides novel upper chamber configurations and fluidics designs for upper chambers of ion transport measurement devices that can be used in high throughput patch clamp assays. The present invention also includes methods of using ion transport measuring chips and devices of the present invention.

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