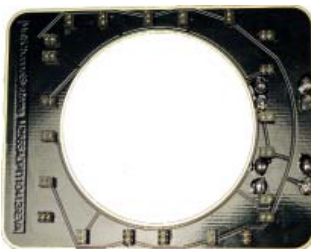


256MEA-9well-STIM-ADPT

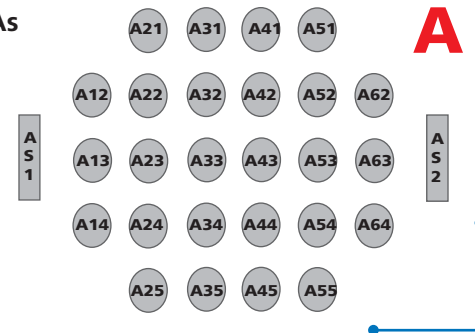
Adapter for Electrode Stimulation of 9-Well MEAs in USB-MEA256-Systems

Rear panel of the adapter

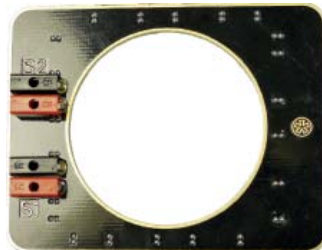


Example Well A The numbering of MEA electrodes in the 6x5 grid per each well follows the standard numbering scheme for square grids: The first digit is the column number and the second digit is the row number. For example, electrode 23 is positioned in the second column of the third row. Two square electrodes (S1 and S2) per well are available for stimulation or recording and additionally one big internal reference electrode.

Pin layout 9-Well MEAs



Front panel of the adapter 256MEA-9well-STIM-ADPT. The red connectors are for stimulation of the electrodes S1 and / or S2 in each well. The black connectors are for grounding the system.



Warning: The 256MEA-9well-STIM-ADPT may only be used together with the USB-MEA256-System from Multi Channel Systems MCS GmbH, and only for the specified purpose. Damage of the device and even injuries can result from improper use.

Application

Please fix the adapter 256MEA-9well-STIM-ADPT on the USB-MEA256 amplifier as shown on the foto. Connect the red connectors (2 mm) with the provided cables to the STG for stimulation of S1 and S2.

The black connectors (2 mm) are for grounding the system.

Stimulation of S1 means, that the S1 electrodes in each of the nine wells are stimulated altogether.

Stimulation of S2 means, that the S2 electrodes in each of the nine wells are stimulated altogether.

It is not possible to stimulate only one of the nine stimulation electrodes S1 or S2, for example.

