

## MEA2100-PE60/120 and MEA2100-HE60/120 Perfusion Element and Heating Element Rev A

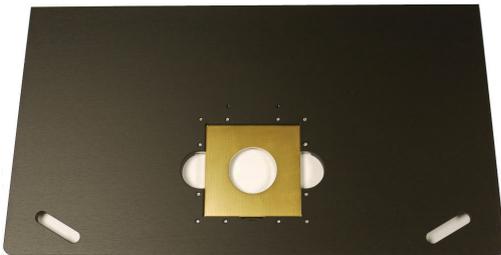
Instructions for the Replacement of the Perfusion Element and / or Heating Element of the MEA2100 Headstage MEA2100-HS60 and MEA2100-HS120.

### Important

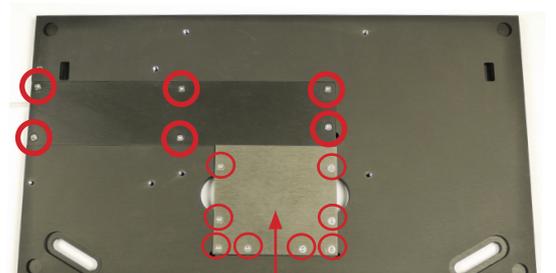
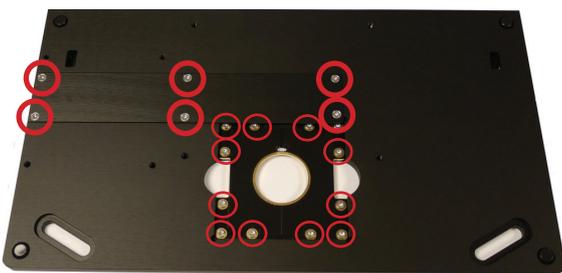
Disconnect the MEA2100 headstage from the MEA2100 interface board and from the electrical outlet!

Please follow the instructions with great care. Only experienced persons should change the elements on the ground plate of the MEA2100 headstage.

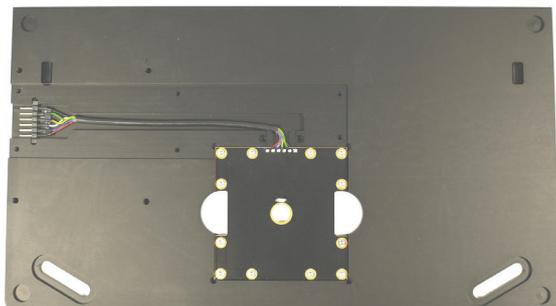
### Ground Plate of the MEA2100-HS60/120 equipped with Heating Element or Perfusion Element



Turn the ground plate of the MEA2100 headstage around and put it onto a soft surface to avoid scratches. You need a TORX T6 screw driver to remove the designated screws (M2 x 4). Unscrew the six screws which fix the cover for the tubing. Keep the screws for reusing them later.

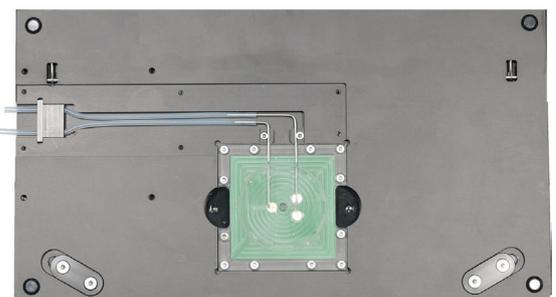


Metalplate for shielding



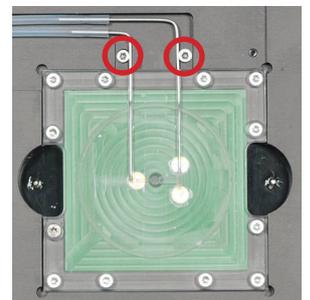
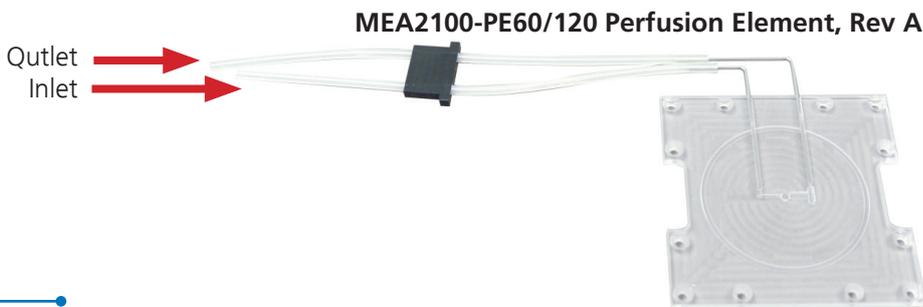
HE, Rev A

PE, Rev A



## MEA2100-PE60/120 and MEA2100-HE60/120 Perfusion Element and Heating Element Rev A

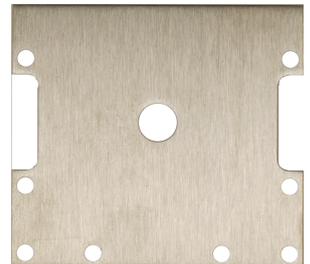
### Instructions for Replacement



#### Replacement of a Perfusion Element

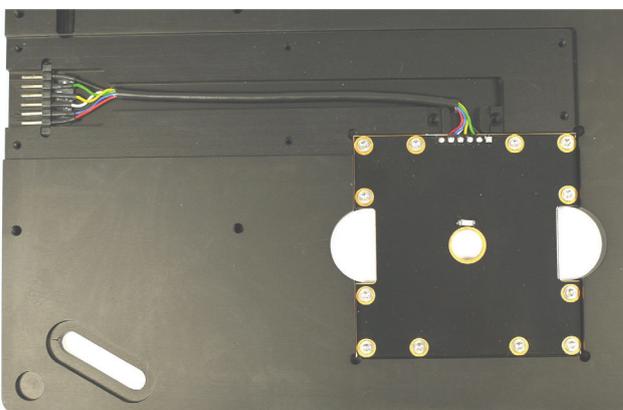
Remove the screws which fix the steel tubes of the perfusion element. They connect the steel tubes to the ground of the headstage. Please use a TORX T6 screw driver. Unscrew the 8 screws (M2 x 4) to remove the metal plate and the perfusion element.

**Important:** Do not clean the plexiglass with alcohol!



Metal plate for shielding

#### MEA2100-HE60/120 Heating Element, Rev A



#### Replacement of a Heating Element

Unscrew the 12 screws (M2 x 4) which fix the heating element in the ground plate. Remove the heating element together with the printed circuit board and the connector, if you want to replace the heating element with a perfusion element.

Remove only the heating element to replace it with another heating element. Connect the replacement to the connector of the printed circuit board.