Thomas Heptode

Data Sheet

Type I: for use with Thomas Heptode Microdrive systems

Technical data:
- Core conductor material: platinum (95%), tungsten (5%)
- Insulation material: quartz glass
- Tip shape: (D) only ground, Impedance 1-2MΩ
- Connectors:
  - 4021EFL (for Thomas microdrive type „Eckhorn Matrix“)
  - 4060EFL (for Thomas microdrive type „Heptode Mini Matrix“)
  - 900002998EFL (for Thomas microdrive type „Pencil Drive“)

Figure 1: Thomas heptode for Thomas microdrives

Dimensions:  
- \( L_1 = \) heptode fiber length / \( L_2 = \) rubber tube length / \( L_3 = \) connection cable length / \( L_4 = \) pulling string length

Attention: The aforementioned dimensions are determined for each Thomas microdrive system. Please provide serial number of microdrive and microdrive exchangeable head for correct heptode dimensions. If you are not sure, please contact Thomas RECORDING.

Article numbers:  
- AN000353 (Eckhorn Matrix, Tip shape D)
- AN000553 (Mini Matrix, Tip shape D)
- AN000741 (Pencil Drive, Tip shape D)
Adaptation of heptode dimensions to the microdrive

For the determination of the correct heptode dimensions for Thomas microdrive heptode we need the microdrive type (Mini Matrix, Pencil Drive or Eckhorn Matrix) and three dimensions of the Thomas microdrive system (see figure 2 and 3). Please provide the lengths A, B and C in millimeters if required. If any of the aforementioned microdrive dimensions have changed after the microdrive system was delivered to your lab or since your last electrode order (e.g. the guide tube length C), please let us know. In this case we have to recaluculate the heptode dimensions.

If you have questions, please do not hesitate to contact:

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