**Neurological Variables: Experimental Techniques Case Report Form**

Date that this CRF was filled out:

Name of Laboratory/PI:

Name of person filling out CRF:

Project name/Identifier:

Animal ID or Study ID (as applicable):

**Type of model system:**

**Type of study:**

* Anesthetized / Non-anesthetized
* Endpoint of study
* Pre-defined time point
* Death
* Other

|  |  |
| --- | --- |
| **CDE** | **DATA COLLECTED** |
| **Background Neurological Variables** | |
| Are neurological co-morbidities present in this model? | ☐ Yes  ☐ No  ☐ Unknown |
| Seizures? | ☐ Yes  ☐ No  ☐ Unknown |
| Other (describe) |  |
| Comments: | |
| **Recording Information** | |
| Was animal anesthetized or awake? | ☐ Anesthetized (Isoflurane or Ketamine/xylazine or others)  ☐ Awake-fixed head  ☐ Awake-freely-moving (tethered or telemetry) |
| Type of recording | ☐ A/C  ☐ D/C (\*see below) |
| **\*D/C recording features**  Electrode type  Electrode location/  coordination  Amplifier/digitizer sampling frequency  Amplifier/digitizer sampling frequency filters | ☐ Ag/AgCl (glass micropipettes fabrication [puller/glass filament/tip size and shape/fire polishing?] and solutions [pH value/osmolarity])  ☐ Platinum/iridium (resistance)  ☐ Others |
| Were cardiac recordings done in parallel to brain recording (synchronized)? | ☐ Yes  ☐ No  ☐ Unknown |
| Were respiratory recordings done in parallel to brain recording (synchronized)? | ☐ Yes  ☐ No  ☐ Unknown |
| **Video Recordings**  Were video recordings  synchronized with  electrophysiology  recordings?  Frame Rate  Resolution  Recording Start  Recording End  State recording occurred in  (postictal, etc.)  Recording start time  Recording end time  Angle of view | ☐ Yes  ☐ No  ☐ Unknown |
| **Program used for recording and analysis**  Commercial software: Name  of the company and the  version of the software | Recording:  ☐ CED/spike 2  ☐ DSI/Ponemah  ☐ Tucker Davis/Synapse  ☐ Plexon  ☐ Pinnacle  ☐ Open-ephy  ☐ Other  Analysis:  ☐ CED/spike 2  ☐ MATLAB  ☐ R  ☐ Python  ☐ Other |
| Open resource tool (please  specify any toolboxes,  libraries and packages that  are used or provide the link  of GitHub if the customized  algorithms are used) |  |
| Data sharing plan | List details on how data will be shared and how to access data |
| List any machine learning tools used |  |
| Is tissue available for genetic confirmation and collaborative histology studies? | ☐ Yes (\*see below)  ☐ No  ☐ Unknown |
| \*If yes, what type of tissue was collected? | ☐ Preserved tissue  ☐ Freshly frozen  ☐ Other |
| \*If yes, what amount of tissue was collected? |  |
| How was tissue stored? | ☐ -20 freezer  ☐ -80 freezer  ☐ Other |
| Medium used for tissue storage | ☐ 4% paraformaldehyde  ☐ Anti-freezing media  ☐ Other |
| List details |  |
| Comments: | |