**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/ coordinationAmplifier/digitizer sampling frequencyAmplifier/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☐ OtherAnalysis:☐ 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: |