**Physiologic Measures 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

\* Link to the current ILAE [physiology CRFs](https://www.dropbox.com/scl/fo/mrgyd8up2u43yqs0ausrp/h/Preclinical/Physiology%20CRFs%20112417?dl=0&subfolder_nav_tracking=1): Respiration, EEG, Heart rate, Blood Pressure, General Health Status

|  |  |
| --- | --- |
| **CDE** | **Data Collected** |
| Physiologic measures recorded: |  |
| ☐ **EEG:**  Number of electrodes |  |
| Type of electrode used |  |
| Ground electrode |  |
| Electrode placement |  |
| Recording frequency (Khz) |  |
| Recording modality | ☐ Wireless  ☐ Wired |
|  |  |
| ☐ **ECG:**  Number of electrodes |  |
| Lead recorded | ☐ Lead 1  ☐ Lead 2  ☐ Lead 3  ☐ Lead aVR  ☐ Lead aVL  ☐ Lead aVF  ☐ Lead V1  ☐ Lead V2  ☐ Lead V3  ☐ Lead V4  ☐ Lead V5  ☐ Lead V6  ☐ Other |
| Ground electrode | ☐ Positive pole  ☐ Negative pole  ☐ Ground |
| Frequency (Khz) |  |
| ECG Measures | ☐ HRV  ☐ beat-to-beat  ☐ median  ☐ Mean  ☐ P wave duration  ☐ beat-to-beat  ☐ median  ☐ Mean  ☐ PR interval  ☐ beat-to-beat  ☐ median  ☐ Mean  ☐ QRS duration  ☐ beat-to-beat  ☐ median  ☐ Mean  ☐ QT  ☐ beat-to-beat  ☐ median  ☐ Mean  ☐ Tpeak-Tend  ☐ beat-to-beat  ☐ median  ☐ Mean |
| Echocardiogram performed? | ☐ Yes  ☐ No  ☐ Unknown |
| Recording modality | ☐ Wireless  ☐ Wired |
| ☐ **Video:**  Frame rate |  |
| Frame size |  |
| File type |  |
| Recording modality | ☐ Wireless  ☐ Wired |
| Codec |  |
| IR capability | ☐ Yes  ☐ No  ☐ Unknown |
| ☐ **Respiration:**  TTI (trans-thoracic  impedance) |  |
| Plethsmography | ☐ Yes  ☐ No  ☐ Unknown |
| Nasal thermistor | ☐ Yes  ☐ No  ☐ Unknown |
| Electromyography (EMG) | ☐ Yes  ☐ No  ☐ Unknown |
| Recording modality | ☐ Wireless  ☐ Wired |
| Was physiologic data uploaded?  If data was uploaded, provide location | ☐ Yes  ☐ No  ☐ Unknown |
| Comments: | |
| Recording information |  |
| Recording paradigm | ☐ Chronic  ☐ Acute |
| Recording start time (Zeitgeber) |  |
| Recording end time (Zeitgeber) |  |
| Recording conditions | ☐ Freely moving  ☐ Restrained  ☐ Nerve Block   1. Type used 2. Dosing 3. Duration 4. Route of administration   ☐ Sedated   1. Type used/method 2. Dosing 3. Duration 4. Route of administration   ☐ Intubated |
| Conditions observed within the recording | ☐ Baseline  ☐ Inter-ictal  ☐ Pre-ictal  ☐ Post-ictal leading up to death  ☐ Period leading up to death without a seizure  ☐ Postictal |
| Comments: | |
| **Autonomic Variables** | |
| Heart Rate Variability analysis | ☐ SDNN  ☐ RMSSD  ☐ PNN50  ☐ Low freq  ☐ High freq  ☐ Power  ☐ Very low freq  ☐ Ultra-low freq  ☐ SD1, SD2 |
| Duration of period analyzed |  |
| Duration quantified by beats or time |  |
| Manual adjudication of beats | ☐ Yes  ☐ No  ☐ Unknown |
| If beats were removed, was the predicted RR interval interpolated in? | ☐ Yes  ☐ No  ☐ Unknown |
| Hemodynamics-Systolic, diastolic, mean blood pressure | ☐ Yes  ☐ No  ☐ Unknown |
| Other ways to measure autonomic |  |
| Comments: | |
| **Respiratory Variables** | |
| Were respiratory variables collected | ☐ Yes  ☐ No  ☐ Unknown |
| ECG/EKG  Type of wires  Placement of electrode  Recording setup  Sampling frequency  Filters |  |
| Type of Respiratory Monitoring | ☐ Plethysmography  ☐ Thermistor  ☐ Diaphragm EMG  ☐ Other |
| Comments: | |
| **Cardiac Variables** | |
| How was cardiac measure acquired? | ☐ ECG  ☐ Echo  ☐ Pleth |
| Cardiac rhythms observed during the recording | ☐ Polymorphic/monomorphic VT  ☐ Ventricular fibrillation  ☐ Cardiac bigeminy  ☐ AV block  ☐ Bundle branch block  ☐ Atrial fib.  ☐ Atrial flutter  ☐ SVT  ☐ Sinus tachycardia  ☐ Sinus brady  ☐ Asystole  ☐ Sick sinus syndrome  ☐ Other |
| Echocardiography variables analyzed  Ejection fraction  LV end systolic  dP/dt | ☐ Yes  ☐ No  ☐ Unknown  ☐ Yes  ☐ No  ☐ Unknown  ☐ Yes  ☐ No  ☐ Unknown |
| Comments: | |