**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 Block1. Type used
2. Dosing
3. Duration
4. Route of administration

☐ Sedated1. 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:  |

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