

Rent the demonstration system: DECRO - Non invasive, wearable telemetry for preclinical research



1. Contact us and schedule rental period. Depending on the conditions, the rental may be charged or free of charge.
2. We always support customers during the rental either on site or via online meetings.
3. Sign the rental contract and send it to us online.
4. Animalab will deliver the demo system to your laboratory.



DECRO system components

1. An acquisition system (SYS-S2), plus electronic accessories (1 Ethernet cable of 2m, 1 USB 3.0 Gigabit Ethernet adapter, 1 local IEC cable, and 1 micro-USB cable for battery charging).
2. 1xDECRO telemetry emitter (EMET-HDACQ-REVG) with Bluetooth low energy (model G) for wireless acquisition of physiological signals.
3. 1xDECRO telemetry Simulator (EMET-HD_SIMU-G), an emitter containing pre-recorded physiological signals that can be replayed during demos to simulate real acquisitions on a rat.
4. 1xrechargeable micro-USB battery (EMET-HDBAT-REVG), compatible with both the standard emitter and the simulator.
5. 1xDummy emitter (EMET-HD-DMY) with its dummy battery (exact replicate of the standard emitter and battery in terms of dimensions and weight) to be used during meetings to showcase customers without taking the risk of damaging the working components.
6. **The Start LASA software (SW-START2-V2) enabling the simultaneous monitoring of ECG, respiratory function and activity index in up to 2 animals.** Includes: a) 2 acquisition slots, featuring a proprietary protocol for data loss detection, and automatic reconnection; b) emitter control and real-time signal visualization from a web browser; c) automatic analysis of cardiac and respiratory cycles and parameters; d) activity index; e) management, analysis, and visualization of individual data; f) raw data and reports export for statistical analysis with third-party software.
7. The ECG delineation analyzer module (SW-MOD-ECGD) provides advanced ECG analysis capabilities, including automatic delineation of characteristic ECG points and waves, such as T and P waves, on averaged ECG waveforms.
8. The software contains a couple of preloaded test studies including sample data sets: samples of physiological signals in rats (DAT-PHYSIO) and (DAT-CHRONO), making it an ideal tool for training and familiarization.
9. Quick Starter Guide to assist users in setting up and operating the equipment with ease.

On the consumables side, the kit provides:

10. four Instrumented Jackets for Rats (JKT-RAT series) in sizes T0, T1, T2, and T3;
11. a pair of ECG Electrodes (ELEC-R-1PAIR), featuring Ag/AgCl dry gel compatible with rats;
12. To ensure habituation and smooth dressing, the kit includes a piece of Habituation Fabric (HAB-FAB) to acclimate animals to the jackets;
13. a Rat Fitting Tube - Size 1 (FTUB-R-T1) for proper sizing.