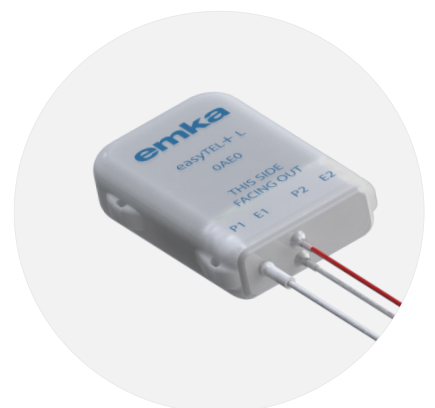
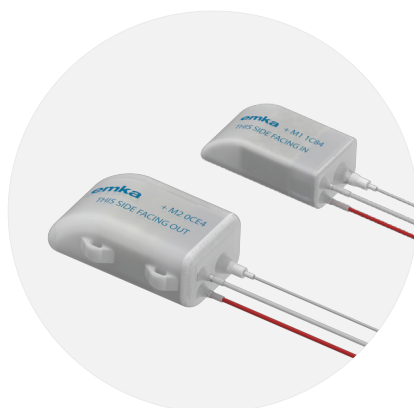
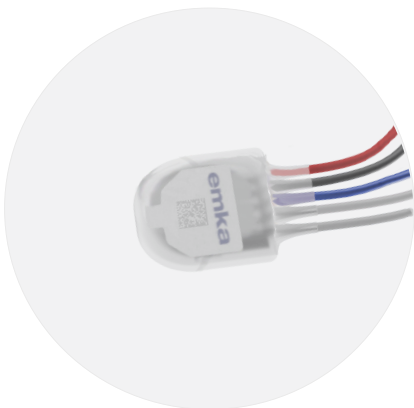




# easyTEL+

## Digital Telemetry System

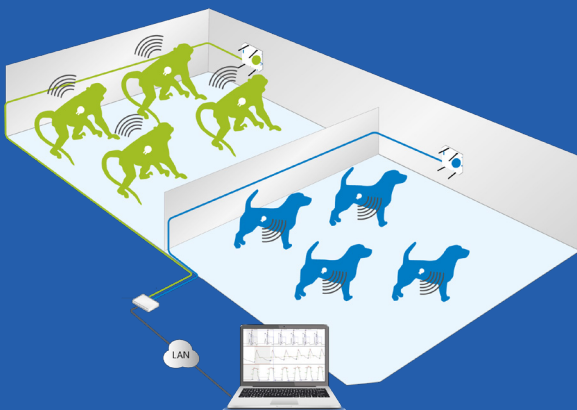
Cardiovascular | Pharmacology  
Respiratory | Toxicology  
Neurology | Physiology



# Real-time *in vivo* physiological data acquisition

Implantable telemetry systems transmit physiological data from conscious freely moving laboratory animals.

Physiological measurements are continuously captured by a transmitter surgically implanted and wirelessly transmitted to a receiver.



## Benefits overview



### Clean data

- » Fully digital - Zero cross-talk
- » QoS recording
- » Up to 32 animals group-housed (same room/cage)
- » Up to 330 days of continuous preclinical data recording



### Ease of use

- » Compact design with direct receiver-computer link
- » Antenna encapsulation eases surgery and minimizes risk of injury
- » Ability to record from rodents housed in IVC racks (Individually ventilated cages)



### Remote control

- » Complete remote management (no magnet required for on/off)
- » Wirelessly customize sampling rate, resolution, power, transmission frequency, etc. before and after implantation.

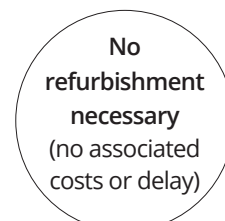


### Customizable

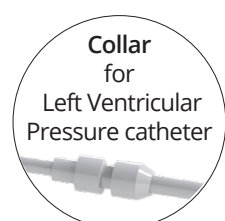
- » Head-mounted option available for rats
- » Expanded temperature range for hibernating rodents
- » Specific calibration for high altitude applications



**Solid-tip electrode**  
for noise-free  
ECG



**No refurbishment necessary**  
(no associated costs or delay)



**Collar**  
for  
Left Ventricular  
Pressure catheter

# Digital platform for single & group-houses subjects

Biopotential sampling frequency is configurable, so any implant can be reconfigured by the user to be used for either ECG, EEG or EMG acquisition.

Detailed specifications, including biopotential polarity, battery life, default sampling frequencies and much more can be found on our website or in the technical product sheets of each range of implants.

## easyTEL+S implants for mice

Model	Biopotential		Arterial Pressure P	Temperature T	Activity A	Implant volume (cc)	Animal weight
	ECG	EEG/EMG					
S-EETA		2		1	1	1.4	>20g
S-CPTA	1		1	1	1	1.4	>20g
S-PTA			1	1	1	1.4	>20g
S-ETA		1		1	1	1.4	>20g
S-CTA	1			1	1	1.4	>20g
S-TA				1	1	1.4	>20g

## easyTEL+M1 implants for rats & rodents >200g

Model	Biopotential		Arterial Pressure P	Temperature T	Activity A	Implant volume (cc)	Animal weight
	E						
M1-EETA	2			1	1	8.8	>200g
M1-EPTA	1		1	1	1	8.8	>200g
M1-PTA			1	1	1	8.8	>200g
M1-ETA*	1			1	1	8.8	>200g
M1-TA				1	1	5.5	>100g

\* Includes a reference with expanded temperature range for hibernating animals.

## easyTEL+μ miniature implants for toxicology studies on large animals

Model	Biopotential		Arterial Pressure P	Temperature T	Activity A	Implant volume (cc)	Animal weight
	E						
μ -EETA	2			1	1	1.4	>1kg
μ-EPTA	1		1	1	1	1.4	>1kg
μ1-PTA			1	1	1	1.4	>1kg
μ-ETA	1			1	1	1.4	>1kg
μ-TA				1	1	1.4	>1kg

## easyTEL M2 medium-size implants for toxicology studies on large animals



Model	Biopotential E	Arterial Pressure P	Respiration R	Temperature T	Activity A	Implant Volume (cc)	Animal weight
M2-EETA	2			1	1	12	>1kg
M2-EPTA	1	1		1	1	12	>1kg
M2-PTA		1		1	1	12	>1kg
M2-ETA	1			1	1	12	>1kg
M2-TA				1	1	12	>1kg

## easyTEL+L large implants for long term multi-purpose studies on large animals



Model	Biopotential E	Pressure* P	Respiration R	Temperature T	Activity A	Implant Volume (cc)	Animal weight
L-ETA	1			1	1	27.5	>1kg
L-EETA	2			1	1	27.5	>1kg
L-EEETA	3			1	1	27.5	>1kg
L-EEEEETA	4			1	1	27.5	>1kg
L-PTA		1		1	1	27.5	>1kg
L-EPTA	1	1		1	1	27.5	>1kg
L-EEPTA	2	1		1	1	27.5	>1kg
L-EPPTA	1	2		1	1	27.5	>1kg
L-EEPPTA	2	2		1	1	27.5	>1kg
L-REPTA	1	1	1	1	1	27.5	>1kg
L-RPTA		1	1	1	1	27.5	>1kg
L-RETA	1		1	1	1	27.5	>1kg
L-RTA			1	1	1	27.5	>1kg
L-TA				1	1	27.5	>1kg

\*Arterial and/or Left Ventricular Pressure

## easyTEL+RP reusable telemeter for rats and large animals



Model	Biopotential E	Activity A	Implant volume (cc)	Animal weight
RP	4	1	6.2	>200g

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