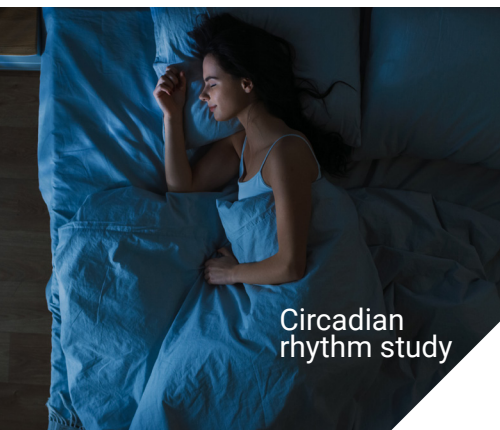


CORE TEMPERATURE MONITORING DEVICE

SPORT PERFORMANCE
RESEARCH, MILITARY
&
OCCUPATIONAL HEALTH



Jet lag and performance



Circadian rhythm study



Core temperature control



Training/recovery process optimisation

WATER-RESISTANT

REAL TIME DATA



Heat stroke prevention



Hypothermia prevention

**SMARTPHONE
TABLET
COMPATIBLE**



Performance assessment

eCelsius Performance Connect is an ingestible pill that continuously monitors, records, and wirelessly transmits core body temperature for non-medical use cases. The pill has its own memory which means the subject is not restricted by the usual constraints of monitor wearing. The system provides a highly accurate and continuous core temperature monitoring without any catheter or wire connection.



BodyCAP
Your e-health partner

ACCURATE RELIABLE & INNOVATIVE CORE TEMPERATURE MONITORING SYSTEM

*Scientifically approved
Gold standard for core temperature monitoring*

EASY TO USE DEVICE

The system is designed to combine comfort, agility of use and ensure full data collection. A memory is embedded into the capsule to ensure long term monitoring whatever the conditions. Whether during or after the monitoring session, the data are automatically recovered by the ePerf Connect once in the communication range of the capsule.



40 000

Units sold in the world since 2016

53

International publications

48

Already sold in 48 countries all over the world

ACCURATE CORE TEMPERATURE MEASUREMENT

Accurate and reliable core temperature monitoring is critical for any subject facing hot/cold environments or extreme physical efforts. Scientific publications indicate that external measurement methods such as axillary, temporal or tympanic ones are not accurate in assessing core body temperature in extreme conditions. The eCelsius Performance Connect system allows to assess thermoregulation effectiveness, optimize cooling methods or individualize acclimation process.



TECHNICAL FEATURES

Pill are delivered cleaned in individual blister
Pill size: 17.7mm x 8.9mm
Temperature accuracy: $\pm 0.2^{\circ}\text{C}$
Sampling period available:
15s, 30s, 1min, 2min, 5min
Calibration range: 25°C to 45°C
FIFO memory capacity: 2000 data
Life duration of the pill: 20 days

Data transfer Pill to Gateway: RF transmission (433 – 434MHz)
Communication range: from 1 to 3m
(environment & subject dependant)
Data transfer Gateway to equipment: Bluetooth (RF 2.45GHz)
Gateway autonomy : 5 days
Compatible with Android Smartphone & Tablet
3 capsules per gateway

CIRCADIAN RHYTHM MONITORING

The system perfectly meets the need to measure and describe the circadian rhythmicity of the subject. In this way, eCelsius Performance Connect may be used for sleep analysis or in order to prevent the effects of jet lag on performance.



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