

AN ACCURATE, RELIABLE & INNOVATIVE CORE TEMPERATURE MONITORING SOLUTION

AN EASY TO USE SOLUTION

The solution 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 monitor once in the communication range of the capsule.

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 e-Celsius Performance solution allows to assess thermoregulation effectiveness, optimize cooling methods or individualize acclimation process.

AN ACCURATE CORE TEMPERATURE MEASUREMENT

CIRCADIAN RHYTHM MONITORING

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



98.6°F — 37°C

Normal core body temperature

+ 0,8°C RISE

+ 25 bpm in submax heart rate
for a 0.8°C rise in core temperature
(Matthews et al., 2010)

1 500

Annual death in USA
due to hyperthermia
(Brown et al., 2012)

TECHNICAL FEATURES

Size of the pill: 17.7 mm x 8.9 mm

Temperature accuracy: $\pm 0.2^{\circ}\text{C}$

Sampling frequency: may be set at your convenience

Internal memory: up to 2000 data

Operational duration: 20 days

Communication range: 1m

CE and FCC compliant



BodyCAP
Your e-health partner