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Coláiste na hOllscoile Corcaigh

Biomarker	Sample type	Health condition	Range	Ref.
Glucose	Saliva,Sweat	Diabetes	0.5mM - 1.6mM	24
Glucose	Tear	Diabetes	0.025-1.475mmol/l	25
Proteins	Sweat & Saliva	Disease screening	ng/ml - pg/ml	26
Electrolytes	Sweat	Dehydration	0-110mM	27
Interleukin 6	Sweat	Inflammation	0.02pg/ml - 20pg/ml	28
Lactate, salts	Saliva	Dehydration	0 - 110mM	29
Zn,Cd,Pb,Cu,Hg	Sweat	Heavy metal poisoning	100 - 300µg/l	30
Potassium	Sweat & Saliva	Hypo & hyper Kalemia	3.6 -5.2 mmol/l	31
Alcohol/Ethanol	Sweat	Intoxication	0 - 36mM	32
Cortisol	Saliva & sweat	Hypertension	7-28 µg/dl	33
Pathogen cells	Sweat/urine	Infectious disease	10 – 100 cells/ml	52

**Table 1: Examples of common target biomolecules, sample fluid and clinical concentration ranges used as applications for wearable health monitoring systems.**