|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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.**