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