

TrueSAT: redefining iron deficiency diagnosis and treatment

The Problem

- Iron deficiency causes anaemia and worsens outcomes in conditions like thalassemia and anaemia of chronic inflammation.
- Iron deficiency affects 25–30% of the global population, with the greatest burden in women, young children, and people with chronic inflammatory conditions.
- Existing TSAT tests are indirect and technically limited — results can be confounded by diet, supplementation, circadian rhythms, or inflammation, and require specialised labs and skilled technicians.

The Solution

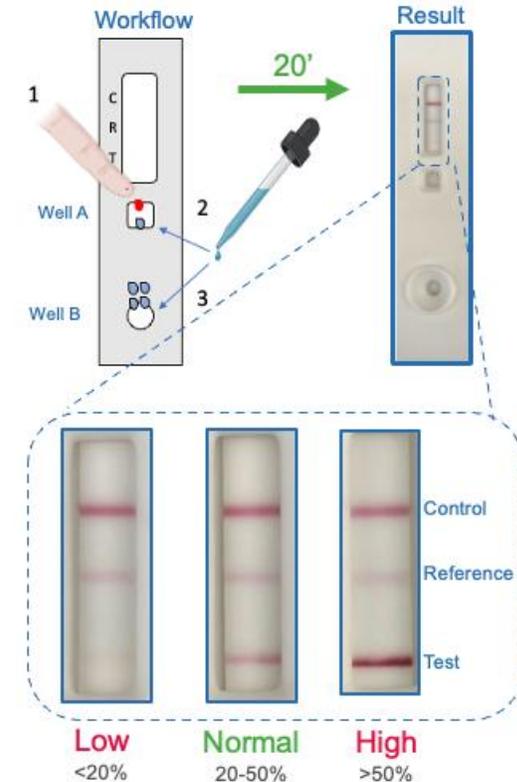
- We have developed TrueSAT: a novel method to test for iron deficiency that directly measures TSAT%.
- TrueSAT can directly measure TSAT% and be combined with serum transferrin test results to calculate total serum transferrin-bound iron (TSTBI).
- Our TrueSAT technology can be incorporated in both lateral flow point-of-care (POC) tests (semi-quantitative) or laboratory tests (fully quantitative).

Our Program

Progress:

- Complete development of prototype POC test and developing proof of concept for prototype multiplexed lab test for iron deficiency with Luminex equipment.
- Direct engagement with key opinion leaders.
- Performing expanded pre-clinical studies using in-house prototypes.

Seeking **licensing and feedback**



Our Team

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