

BioAge™ Device – The World's First One-Drop Biological Age Analyzer

Developed by Lathell Nutraceuticals LLC

1. Executive Summary

The BioAge™ Device represents a transformative advancement in biological diagnostics — the first portable analyzer capable of determining an individual's true biological age from a single drop of blood in under five minutes. Developed by Lathell Nutraceuticals LLC, BioAge™ integrates biochemical sensing, AI-driven data interpretation, and bioelectrical profiling to create a real-time snapshot of the body's biological condition.

2. The Science Behind BioAge™

The BioAge™ system estimates biological age through three integrated biomarker classes: (1) Molecular Biomarkers (oxidative stress, inflammation); (2) Bioelectrical Impedance (cellular hydration, membrane potential); (3) Spectral and Enzymatic Kinetics. These data streams are fused using Lathell's proprietary AI-Age Algorithm.

3. How It Works

Step 1 – Collect: One drop of blood via fingertip on a micro-reactive cartridge.

Step 2 – Read: Analyzer scans the sample using optical, impedance, and biochemical sensing.

Step 3 – Compute: The AI algorithm calculates biological age and aging rate within minutes.

4. Applications and Market Reach

The BioAge™ platform serves Longevity Clinics, Wellness Centers, Clinical Research, and Corporate Health sectors, enabling data-driven preventive care and personalized interventions.

5. Investment & Pre-Order Opportunity

Early investors can secure distribution rights or equity participation prior to regulatory clearance and production. Pilot batch MOQ: 250 units. Projected unit cost: \$950–1,200. Estimated retail: \$2,499–2,999.

6. Intellectual Property

Trademark: BioAge™. Patent pending: System and Method for Real-Time Biological Age Estimation from Minimal Blood Sample.

7. Summary Statement

BioAge™ is the future of human longevity tracking — converting one drop of blood into measurable biological intelligence. This pre-market phase represents a rare opportunity to align with a first-in-category diagnostic innovation.