

Transforming Menstruation into Insights: Smart Menstrual Pad with AI-driven Health Platform for Wellness Management

Technology

Our innovative solution leverages menstrual blood—a uterine tissue-enriched sample that enables non-invasive, routine data collection—to create a health testing and management system aimed at protecting and optimizing women’s wellness.

The system has two core components:

- (1) Smart menstrual pad with an embedded collector for seamless menstrual sample collection
- (2) Digital health platform powered by an AI Health Engine, which translates the user’s multi-source data into personalized health insights and actionable wellness guidance

Stage of Development

Currently, we are focused on establishing a definitive correlation between menstrual and peripheral blood for two key biomarkers, ensuring the analytical validity of our solution while finalizing lab-scale processes.

Opportunities

We look forward to collaborating with more clinical partners and industry stakeholders to advance menstrual blood testing, build a robust knowledge base, and train AI models. This enables us to seize opportunities in the growing femtech market by creating a closed-loop ecosystem covering testing, assessment, and wellness management.

Key Advantages

Unique value proposition:

- (1) Non-invasive, convenient sampling
- (2) Seamless integration into menstrual routines for cycle-based health monitoring
- (3) Personalized, science-backed actionable wellness guidance

Key advantages lie in our unique value proposition and our core assets—a vast knowledge base and advanced algorithmic framework for generating individualized health risk insights and guidance, coupled with a growing menstrual health database that builds a long-term, defensible data advantage.

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