Vaccines and Uterotonics (excessive bleeding stoppers) have strict temperature ranges - 2 to 8 degrees.

If the vaccine freezes or is exposed to a high temperature for too long, it degrades.

If given to infants or pregnant women, they are at a high risk of dying or getting preventable diseases.

In our target markets, the infants at risk are 3 million, and the women at risk are 2.5 million.

Some other issues that Koldchain addresses include:

- Cold chain failures as a result of issues like poor storage conditions and machinery breakdown.
- Counterfeiting
- Tampering and Diversion
- Poor delivery and vaccinational scheduling.

**World's first** holistic cold-chain platform for cutting vaccine/biomed waste, protecting infants & pregnant women from quality-failure risk, and thus helping bring maternal & infant mortality to zero.

**THE PRODUCT**

Our technology combines polymers that change in complex patterns based on temperature and imaging algorithms that can interpret those patterns and a data platform that can assign a risk rating to women and children who receive vaccines and uterotonics.

Based on the risk rating, re-vaccination and stock cleanups can happen.

This will save 600,000 lives in 5 years. Financial break-even is in 3 years.

**THE KOLDCHAIN ADVANTAGE**

- Digital, thus removing ambiguity and reading errors.
- Relies on the thermocycler, a cryptographically enhanced, machine-assisted, module, which is theoretically ‘unbreakable’ at scale.
- Interpretation done through a dynamic algorithm, impossible to mimic or predict.

A SELECTION OF OUR PARTNERS AND INDUSTRIAL RECOGNITION

Gavi

The Vaccine Alliance

Indigo

AVERY DENNISON

FONDAiation

skoll

Foundation

Hi

Harvard innovation lab

GENERAL INQUIRIES

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