

# The End of the Ice Age

ambient  
BIOSCIENCES

Ambient Bio is **heating up** the Bio-Economy



Biotechnology advances in molecular therapeutic and diagnostic modalities are increasing demand for **costly cold storage and shipping**.

## Global Annual Demand for Pharma and Biotech Cold Chain

**>\$5 billion**

in laboratory freezer expenses

**>\$21 billion**

in cold shipping and transport

**>\$35 billion**

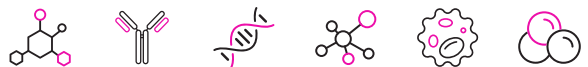
in pharma product loss due to failed temperature control

→ Biopharma cold chain operations are expensive, energy-intensive, and prone to technical failures.


Ambient Biosciences has created a scalable, affordable alternative to cold-chain shipping and storage:

***Ambient stable biomolecules***

Stabilization for enzymes, DNA/RNA, proteins, cells, mastermixes, and more that lets you store products on the bench and cut costs.



**Benefits include:**

-  **Easy:** Simplify workflows with a universal buffer and 4-step process, no special training required



**Fast:** It takes less than 1 hour to stabilize your material



**Affordable:** Save 75% in expenses versus lyophilization



**Flexible:** Easy to implement across diverse modalities and products



**Reliable:** Consistent long-term stability without cold storage



**Sustainable:** 85% reduction in CO<sub>2</sub> emissions

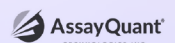
Trusted by leading providers:



Ambry Genetics



B2S Life Sciences  
enabling excellence in biotherapeutics



**We make it easy for you to cut out cold chain costs without relying on lyophilization.**

Here's how it works:



**STEP 1**

Solution of Ambient Bio buffer and reagent is prepared.



**STEP 3**

Scaffolds are stabilized using a chamber.



**STEP 2**

Mixture is dispensed on a scaffold.



**STEP 4**

Stabilized reagent is stored at ambient temperatures.

**Ambient Bio Capillary-Mediated Vitrification**

Ambient Biosciences' proprietary stabilization technology eliminates the freezing step required for effective lyophilization. Our benchtop instrument provides all-in-one processing in under an hour.



**Ditch outdated stabilization techniques for a gentler, simpler process**

Key Parameter	Frozen Storage	Lyophilization	Ambient Bio
Cycle Time	Hours	Days	<1 hour
Product Lifetime	Months	3-5 years	3-5 years
Temperature	Frozen	Varies	Ambient
Capital Investment	High	Medium	Low
Maintenance	High	High	Minimal

**Partnership Opportunities: How to Work with Us**

**EARLY ACCESS PROGRAM**

Test drive our room-temperature stabilization process in your own lab with Ambient Biosciences' proprietary instrument and consumables offering.

- Be an early adopter and get hands-on experience while gaining an advantage over your competition.
- Unlock room-temperature stability with a wide range of biomolecules for your specific application.
- Provide feedback and shape the future of the biomolecule stabilization market.

**STABILIZATION SERVICES**

Looking for a trustworthy stabilization partner that is easy to work with? We'd love for you to join our Ambient Revolution! We offer affordable stabilization services for your biomolecules at any scale.

- Simple process with a focus on customer service.
- Quick turnaround from material receipt to ship.
- Affordable prices and customization options available.



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**Ready to get started?**

[ambientbio.com](https://ambientbio.com)

[info@ambientbio.com](mailto:info@ambientbio.com)

