

REDEFINING REAGENT STABILITY

Next-Gen Liquid Nitrogen Lyophilization Technology



THE CHALLENGE



Cold Chain Costs

High logistics costs & dry ice needs.



Instability

Rapid degradation at room temperature.

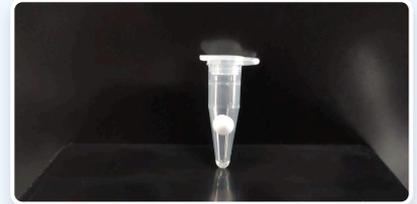


Inconsistency

Manual pipetting errors reduce accuracy.

THE SOLUTION: LYOBEAD TECHNOLOGY

- ✓ **Precision Dosing:** Micro-liter accuracy with <2% variance. Ideal for Molecular Diagnostics (PCR/NGS).
- ✓ **Instant Reconstitution:** Solid spheres dissolve in seconds.
- ✓ **Ambient Storage:** Stable at room temperature.



Precision Bead Technology

WHY SWITCH?

Feature	Conventional Lyo	LYOBEAD (LN2)
Form Factor	✗ Cake / Powder	✓ Solid Sphere
Reconstitution	✗ Slow / Vortex	✓ Instant
Scalability	✗ Batch Process	✓ Continuous Mass Prod.

SERVICES & SCALABILITY

Formulation

Custom optimization for PCR/qPCR.

Scale-Up

R&D to industrial mass production.

Packaging

Bulk, Tubes, or 96-well Plates.



Custom Packaging



Automated Lines



Mass Production

Partner with **LYOBEAD Today**

Founded 2022 | Focus: Molecular Diagnostics

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