

Swan Neck Bio[®]

Starter Cultures

by

Culture Starters

Too many fermentation businesses fail

Research & Development

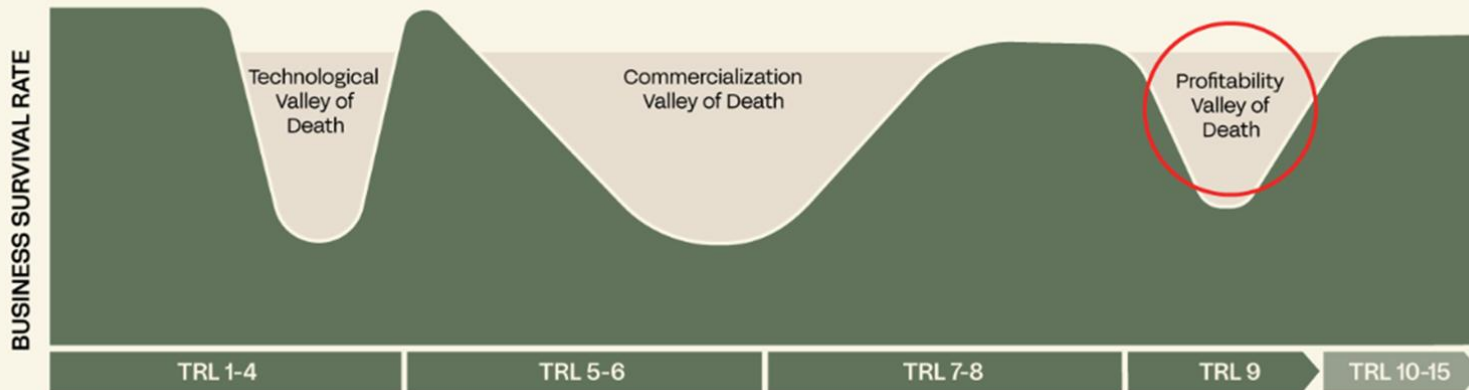
Turning science into reality is tough — most ideas don't survive the leap from lab to real world.

Scale-Up & Commercial Launch

Scaling with conventional technology is costly and slow, stalling market entry.

Biomanufacturing

Already producing?
DIRINOC™ helps unlock your plant's full potential for real profits.



Which seed-train bottleneck is costing you most?



Manufacturing complexity

Multiple propagation steps and vessel transfers create complex, operator-dependent workflows susceptible to variability.



Contamination risk

Every transfer step increases risk of contamination and batch-failure.



Slow production startup

Production readiness depends on multi-day seed propagation workflows.



High operating costs

Multiple vessels and long propagation workflows increase labor, utility, and support-system requirements.

DIRINOC[®]

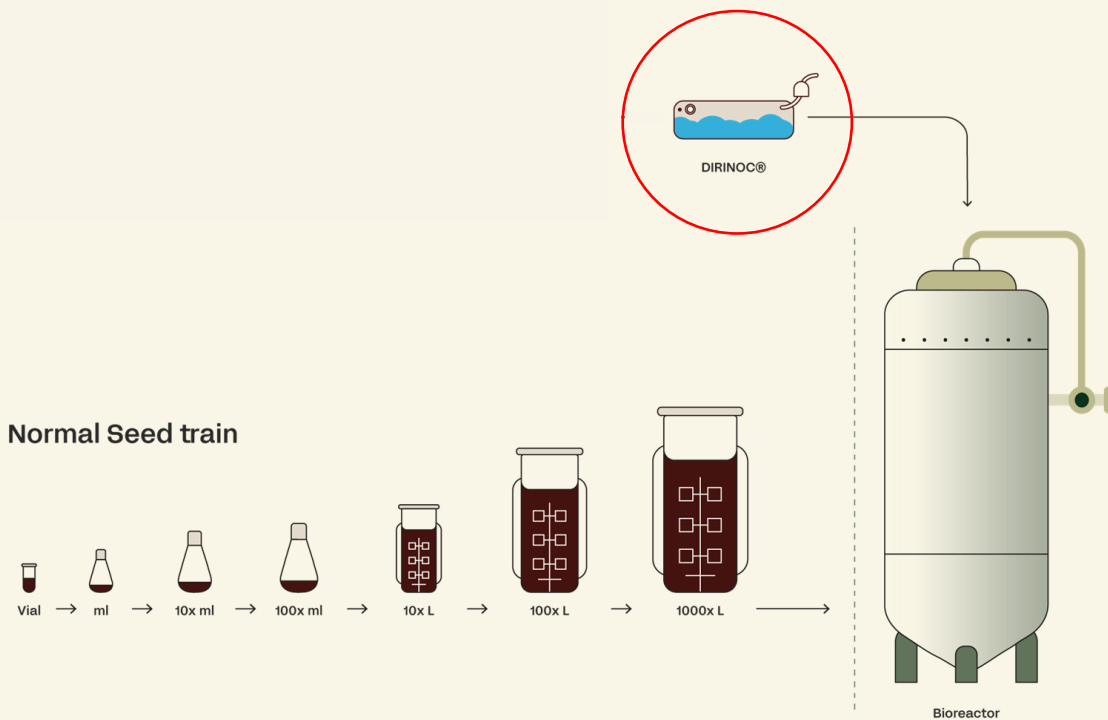
Replace your seed train with a standardized input



Our **Direct Inoculum** solution is a ready-to-use, quality certified inoculum that enables simpler and more reliable biomanufacturing.

From complexity to control

Swan Neck Bio® Seed train



Manufacturing simplicity

- Transparent process
- Predictable performance
- Flexible deployment

Cost & operating efficiency

- Shorter preparation time
- Resource efficiency
- Less equipment downtime

Risk reduction

- Fewer transfers
- Lower batch-loss risk
- More reliable throughput

Contact details

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Connect if you are interested!

