What Would Faster Xenograft Model Production Mean for Your Research?

Eliminate the Inhibitory Effects of Dead Cells and Debris When Generating Xenograft Models

Ernesto Diaz-Flores, PhD, at the University of California in San Francisco, set a high bar for xenograft model generation performance for high-risk leukemia research. By integrating Levitation Technology™ into their lab workflow and eliminating the inhibitory effects of dead cells and debris, Ernesto and his team were able to:

- Decrease the number of cells required per mouse by 10-20x
- Decrease time to full engraftment by 50%, from 10 to 5 weeks
- Obtain 100% engrafted mice
- Generate xenograft models that reproduce disease heterogeneity

---

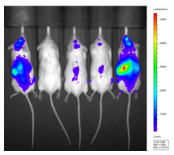
Sample Prep

Thawed pediatric leukemia primary cell line

Standard Workflow — **5 weeks**

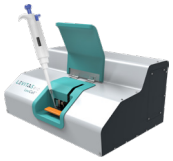
1-2M cells at mixed viability

80% Engraftment
40% disease progression



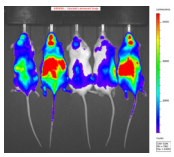
LeviCell ® Workflow — **5 weeks**

Viability enrichment



100,000 cells at 95% viability

100% Engraftment
100% Disease progression



LEVITAS BIO®

www.levitasbio.com

Raise the Bar in Xenograft Model Generation

Adopt Levitation Technology into your workflow and significantly advance your research!
LeviCell 1.0 and LeviCell EOS are the only systems that can provide the following for your xenograft model research:

Ability to use precious samples regardless of quality

Decrease the number of cells required per animal

Increased engraftment efficiency means fewer animals required per project

Accurate recapitulation of disease biology heterogeneity by preserving all cell subtypes in the sample

For information about Levitation Technology, visit **levitasbio.com**

LEVITAS BIO®