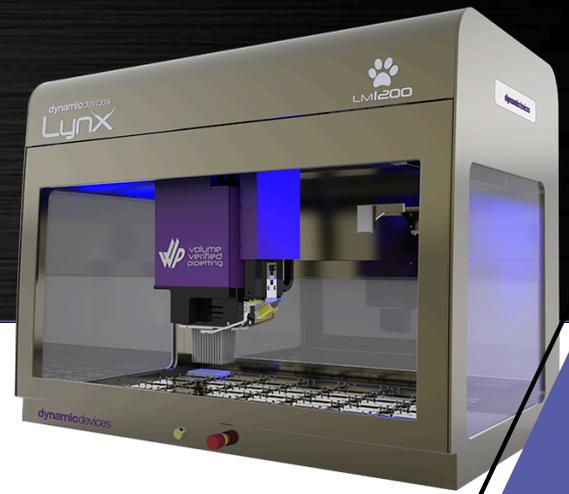




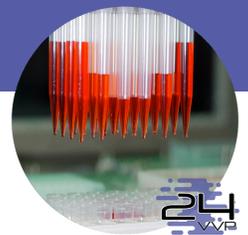
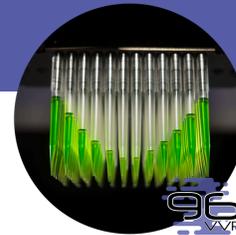
Automated Antibody Screening



Unlock Peak Performance in Antibody & Hybridoma Screening

 Powered by Dynamic Devices Lynx with Volume-Verified Pipetting (VVP)

For antibody screening labs, efficiency, precision, and high-throughput capabilities are crucial. Dynamic Devices' Lynx, equipped with Volume-Verified Pipetting, is engineered to transform your workflow—from clone picking to downstream assay prep and beyond. With advanced liquid handling, real-time volume verification, and flexible channel control, Lynx streamlines the screening process, delivering greater throughput and reliability across every step of discovery.



Why Choose Lynx with VVP?

▶ Smart Clone Picking & Consolidation

- Automated aspiration of clones from **6, 12, 24, 48, 96, and 384-well formats**.
- Worklist-based transfer into specific wells or general plate formats.
- Exclusive “**fill-in**” **jet dispensing** maximizes plate utilization by automatically populating empty wells in subsequent rounds.
- Streamlines **cell line development** and **hybridoma consolidation**.

▶ Independent Channel Precision

- Up to **96 independent pipetting channels**, each monitoring flow rates in real time.
- Adjustable volume per channel for heterogeneous samples.
- **Disable channels** to reduce contamination or manage incomplete runs.
- Compensates for **variable viscosity** and prevents **sub-target transfers**, ensuring reproducibility across diverse assays.

▶ Dynamic Cell Handling & Normalization

- Lynx normalizes an entire **96-well plate in <1 minute**, eliminating bottlenecks.
- Supports **dilution of entire cell pools into larger volumes** instead of discarding cells, improving yield.
- Offers **gentle aspiration** to protect fragile cells and **vigorous mixing** to homogenize suspensions.
- Ensures **stable pool maintenance** for scale-up and expansion studies.

Why Choose Lynx with VVP?



➤ Accelerated Sample Preparation

- Normalizes entire plates in **one step**, readying samples for downstream analysis.
- Frees scientists from hours of manual preparation while increasing assay readiness.
- Supports downstream workflows like **ELISA**, **mass spectrometry**, and **high-throughput characterization**.

➤ Enhanced Transfection Efficiency

- Automates **media addition**, **DNA rearraying** (96-well → 24-well), and **cell delivery**.
- Compatible with integrated devices (e.g., **BioShake**) for **homogeneous suspension maintenance**.
- Reduces variability in **critical transfection steps**, producing consistent, reliable results across plates.

➤ Accurate Volume Verification & Liquid Level Detection

- **Built-in sensors** monitor liquid levels in reservoirs and wells.
- Critical for workflows like **buffer exchange**, where concentration rates vary between samples.
- Back-calculates remaining liquid volumes using measured liquid height.
- Ensures **consistent refills to target volumes** and minimizes user intervention.
- Reduces risk of run interruptions due to low reagent levels.

Applications in Antibody & Hybridoma Research

HYBRIDOMA SCREENING
& CLONE SELECTION

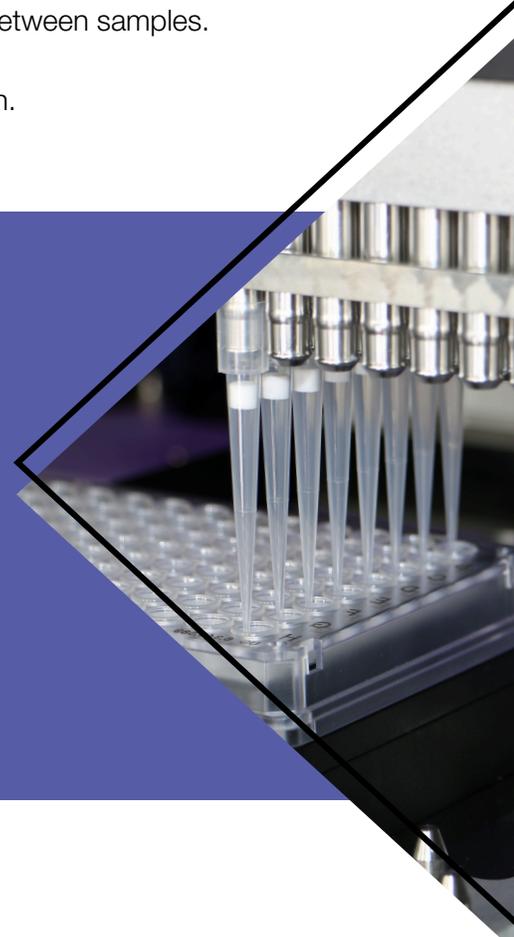
TRANSFECTION SETUP &
DNA REARRAYING

CELL LINE DEVELOPMENT
& POOL STABILITY

BUFFER EXCHANGE FOR
ASSAY PREPARATION

CELL DENSITY
NORMALIZATION & SCALE-UP

HIGH-THROUGHPUT EXPRESSION
& ANTIBODY CAMPAIGNS



Transform Your Screening Workflows

The Lynx liquid handler with VVP technology eliminates manual bottlenecks and empowers your team to focus on discovery. With precision automation and user-friendly design, Lynx delivers faster, more consistent, and scalable results—driving innovation in antibody and hybridoma research.

Ready to optimize your lab? Contact Dynamic Devices today to learn how the Lynx can be tailored to your lab's specific screening needs.