Accelerate cell line development
Get to your high value hits faster
Transform your workflows to elevate productivity

Fast screening and selection of secretory cell lines with the ClonePix™ 2 Mammalian Colony Picker

Screen 10X more clones in weeks, not months. Productivity comparison: ClonePix: 10,000 clones in three weeks, Limiting dilution: 1000 clones in two months.

Select and pick with more accuracy and confidence

Cells plated into semi-solid medium

User selects colonies based on system's analysis and ranking

Screening and selection of colonies based upon user-defined criteria

Choose from a full range of growth media and detection reagents optimized for ClonePix systems.

Barcode reader for precise tracking of your colonies

Accurate picking and gentle transfer of your colonies with a robotic arm

Stack 6-well source plates and 96-well destination plates

Washing and sterilization for picking heads

Automate lid removal and replacement
Advance to automated screening with intelligent imaging and quantitative analysis

Assessment of colony outgrowth with CloneSelect Imager™ replaces subjective, time-consuming manual screening

Following screening and selection of clones, the ultra-fast CloneSelect Imager provides objective assessment of cell growth. Track and quantify cell growth over time automatically.

ClonePix system picks colonies
CloneSelect Imager automatically scans every well
White light image

Analyze cell confluence and cell number in every well to verify monoclonality

Well selection
Cell distribution highlighted by software overlay
Cell confluence and cell number estimated for each well displayed
Growth rates for every well viewed at every time point

Two cells on Day 0 – not monoclonal
One cell on Day 0 – monoclonal

Verification of monoclonality — viewing the origin of a colony
The growth (image) history of each well can be tracked back to its starting point—providing evidence of monoclonality.
Develop stable cell lines

Typical cell line workflow

Cell line development is the process of establishing a clonally-derived cell population which has been genetically engineered to express a desirable phenotype (such as producing large amounts of recombinant protein) for a stable period of time. Single cells proliferate to form colonies that can then be assessed for the desirable characteristic.

1. Stable transfection
2. Pool enrichment
3. Single-cell isolation
4. Monoclonality verification & growth
5. Titer and CQA screening

Stable transfection

Monoclonality verification & growth

Titer and CQA screening

Accelerate cell line development with a range of Molecular Devices platforms

ClonePix 2 Mammalian Colony Picker

Automatically screen more clones in less time than conventional techniques, select cells with optimal expression levels, and pick colonies with accuracy. ClonePix systems are now used in over 100 laboratories around the world to increase workflow productivity, leaving more time to better characterize target proteins and run new projects.

DispenCell™ Single-Cell Dispenser

The DispenCell™ Single-Cell Dispenser is an automated laboratory instrument developed for fast, easy and gentle single-cell isolation. Designed by scientists for scientists, DispenCell has been designed to integrate seamlessly into your lab routine, with a plug-and-play approach.

CloneSelect Imager – standard and fluorescence

With high quality imaging and intelligent image analysis, CloneSelect Imager allows you to assess cell confluence objectively and quantitatively. Cell growth is viewed and tracked in every well in every plate.

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