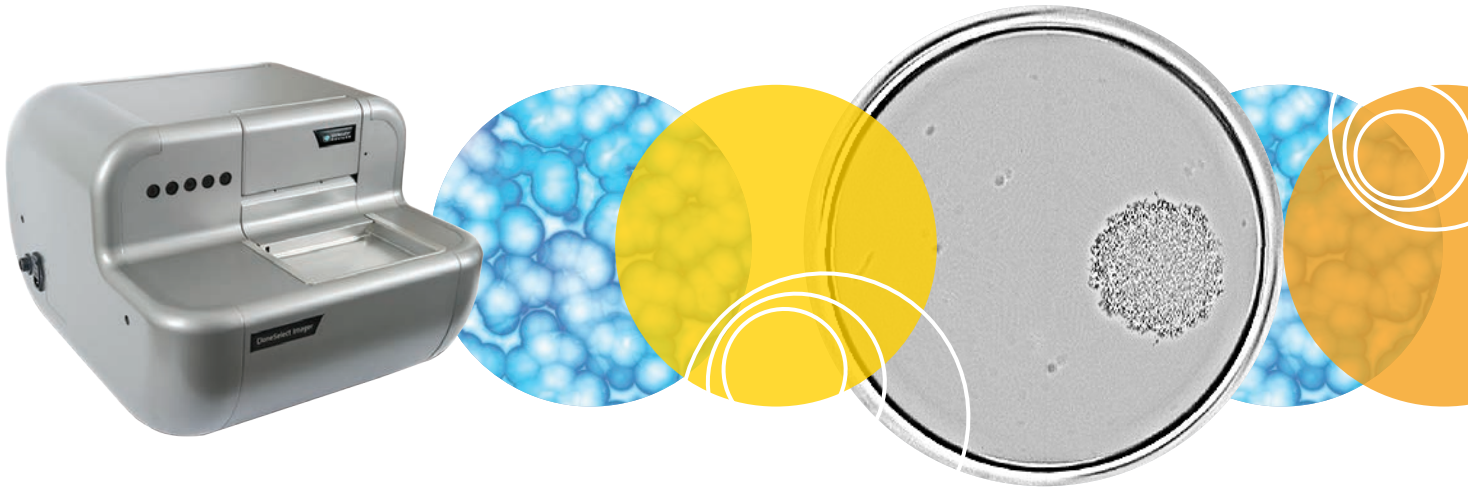

CloneSelect Imager Monoclonality Report Feature

KEY FEATURES

- **Easily identify and select single-cell and artifact regions to include in report**
- **Export high-resolution images of single cells, artifacts, and entire well (optional)**
- **Automatically identify single cells with fluorescence version of CloneSelect Imager**
- **Publish monoclonality report in PDF or Word Format**

Providing image evidence of monoclonality in the cell line development process is not as simple as exporting an image of a single cell. For example, high-resolution images of the entire well should also be inspected to ensure the absence of a second cell.

With a few simple clicks, the Monoclonality Report feature on the CloneSelect™ Imager (CSI) objectively organizes the supporting image evidence needed to establish clonality into an easily shareable report, saving researchers hours typically required to do the same process manually.

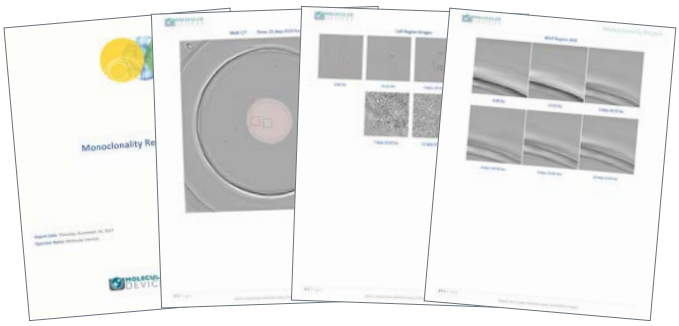

Figure 1. Example pages from the monoclonality report.

MOLECULAR DEVICES

The reporting feature automatically generates the following data in a presentable format:

View entire well at final time point

Quickly determine clonality of a cell line by visually inspecting the presence of multiple colonies in a single well.

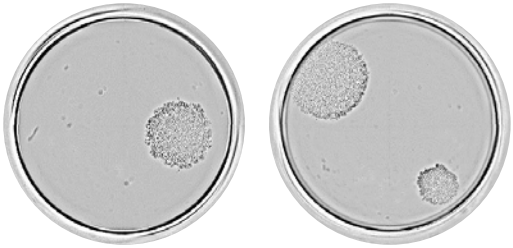

Figure 2. Wells captured on Day 10. The well on the left shows one colony while the well on the right shows two colonies.

Monitor cell line development over time

To characterize the growth from a single cell to a colony, cell regions can be designated and adjusted for each time point in a series.

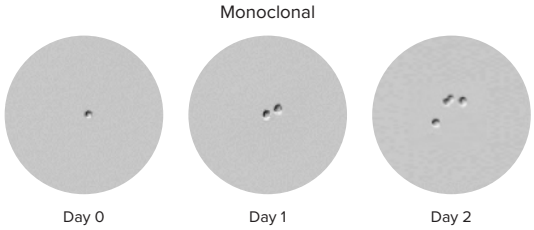

Figure 3. A single cell on Day 0 and two cells on Day 1 confirm monoclonality.

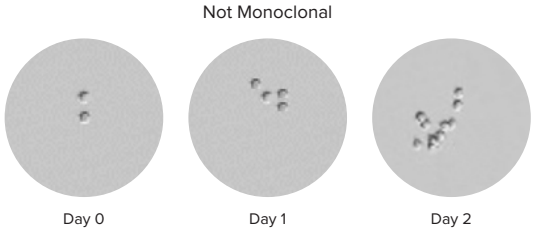

Figure 4. Two cells are visible on Day 0, confirming that the cell line is not monoclonal.

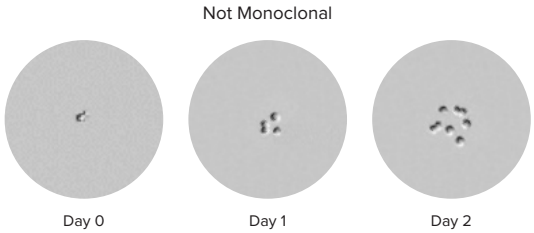

Figure 5. Four cells have developed on Day 1, confirming that the cell line is not monoclonal.

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Divide an entire well into individual images

Export an entire well into 81 separate images to objectively confirm the absence of another cell.

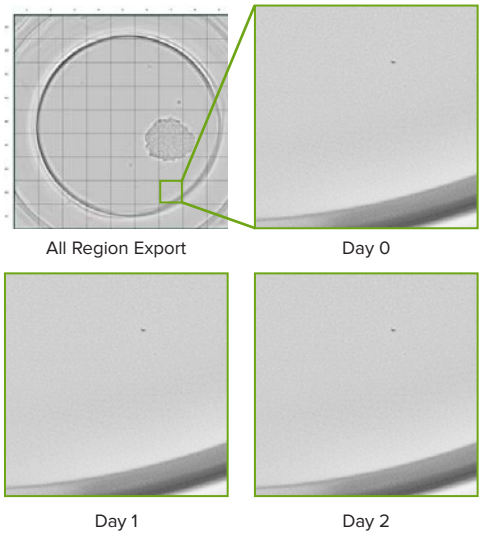

Figure 6. An image of a well is divided into regions, and a selected region is displayed over time.

Highlight regions to review non-cell objects

Selectively highlight parts of a well to differentiate cells from ambiguous objects.

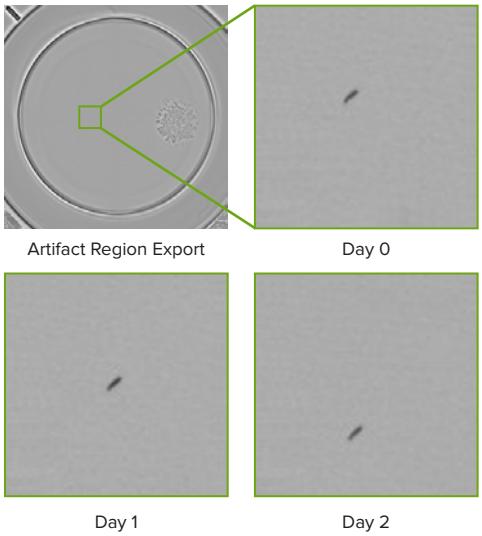

Figure 7. A selected artifact region and its corresponding images over time is shown here.

Additional data included in report

- Report Date
- Date Imaged
- Operator Name
- Barcodes
- Well Name
- Region Locations
- % Single Colony Wells
- Experimental Notes