Solentim's STUDIUS™ Powered Ecosystem
Clonality in Cell Line Development Workflows

SINGLE CELL ISOLATION

High-efficiency Single-cell Seeding

Very low-pressure seeding with high-efficiency plating leads to confidence in clonally--driven outgrowth.

IN-WELL ASSURANCE

In-well Imaging

Cell imaging of the droplet in the dry well gives evidence of successful single-cell isolation.

ASSURANCE DOUBLE LOCK

OUTGROWTH IMAGING

Day 0 Single Cell Assurance

Whole-well, high-contrast imaging of the media-filled well to confirm the presence of a single cell at Day 0.

CLONAL GROWTH

InstiGRO™ Cell Supplement

Higher chance of single-cell recovery and faster, high-efficiency clonal outgrowth for compressed workflows.

CLONING PLATE ASSESSMENT

Cloning Plate – Producers vs Non-producers

Triage cloning plates for eliminating non-producers early.

SELECT FOR SHAKEABILITY

InstiSHAKE™ Cell Supplement

Increased growth rates and viability when expanding from static to fed-batch shaking culture.

EXPANSION PRODUCTIVITY SELECTION

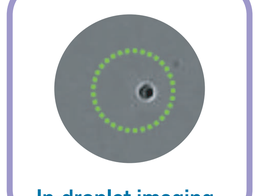
Titer and Viable Cell Density (VCD)

Measuring IgG titer and VCD for fed-batch deep-well plates.

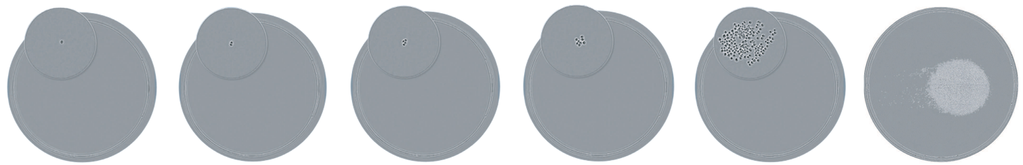
SUSPENSION VIABLE CELL DENSITY

Calculate Productivity (Qp)

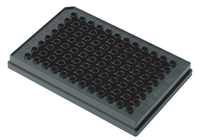
Use STUDIUS to calculate Qp and select top clones in virtual plate-based on Qp and clonal assurance.



In-droplet imaging



Daily whole well imaging is quality evidence of clonality



Titer assessment

Viable cell density

Solentim

SEEDING WITH ASSURANCE

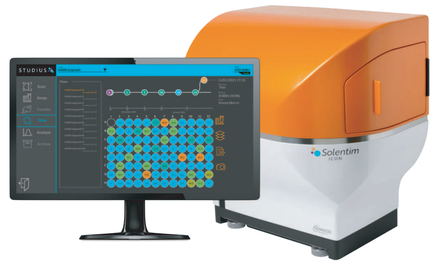
VIPS® PRO

High efficiency, single cell seeding with image-based proof of clonality for GMP-compatible workflows

ASSURANCE & GROWTH

Cell Metric®X

Clonal imager with automated assurance and artificial intelligence-driven Automated Evidence of Clonality

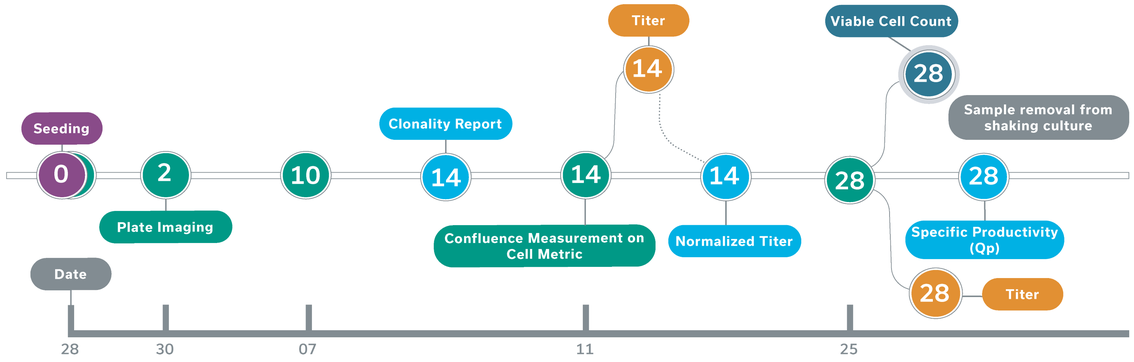


PRODUCTIVITY SELECTION

ICON™ & STUDIUS™

Intelligent decision-making platform with data management.

HISTORYTREE™
Tracks each cell's journey through CLD.



Cell Growth Supplements
Optimize growth conditions for iPSC, CHO and HEK cells throughout different stages of the cell line development process.

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