



 Solentim

Accelerating
Assurance

Enhanced cell line development workflows
for successful IND submissions

 **ADVANCED**
INSTRUMENTS

Start-up to IND

Biotheus Inc., a start-up with successful IND filing.

Solentim workflow: VIPS

Comparison to limited dilution: three-fold faster

Assurance: double-lock, image-based

Number of plates: 20

IND submission: successful



ADVANCED INSTRUMENTS Solentim Case Study

Successfully filing an IND using Solentim's VIPS™ single cell cloning system

Introduction
Biotheus Inc. was preparing to file an IND for its lead candidate, a novel, highly potent, and highly selective small molecule inhibitor of the PI3K pathway. The company was looking for a high quality and reliable cell cloning system to support the development and to support the necessary tests for the IND application.

CLD workflow - the need for speed
The lead candidate is a novel, highly potent, and highly selective small molecule inhibitor of the PI3K pathway. The company was looking for a high quality and reliable cell cloning system to support the development and to support the necessary tests for the IND application.



Half the time a fraction of the plastic

Celonic AG, a contract development and manufacturing organization (CDMO) specializing in biologics manufacturing from mammalian cell lines.

Previous workflow: limited dilution and FACS

Assurance: statistical

Workflow: 29 weeks

Number of plates: 500

Colony outgrowth: 28%



ADVANCED INSTRUMENTS Solentim Case Study

FACS bulk enrichment in combination with the VIPS and Cell Metric delivered significant savings for a CDMO

Introduction
Celonic AG is a contract development and manufacturing organization (CDMO) specializing in biologics manufacturing from mammalian cell lines. The company is looking for a high quality and reliable cell cloning system to support the development and to support the necessary tests for the IND application.

CLD workflow - the need for speed
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New Solentim workflow: addition of VIPS

Assurance: double-lock, image-based

Workflow: 17 weeks

Number of plates: 20

Colony outgrowth: 60%

Colony outgrowth: 31%

The tools to build the ultimate workflow

With innovative products including Leap-in Transposase®, VIPS™, Cell Metric®, ICON™, STUDIUS™ and the advanced Insti range of cell growth supplements, Solentim technologies are your building blocks for faster, more assured workflows. Whereas previously it took months with statistical probability-based reporting, it's now weeks with solid, double-lock, image-based confidence.

Solentim continues to invest in the future of cell line development and its expanding importance beyond therapeutic monoclonal antibodies into gene therapy and vaccine development workflows.

Solentim
Cell Metric®



The trusted standard for clonal assurance

High contrast imager for single cell identification and clonal outgrowth characterization

ADVANCED INSTRUMENTS

SINGLE CELL
DAY 5

Cell Metric is a benchtop instrument with a green top and white base. It features a large circular opening on the front for sample access. The Solentim logo is visible on the front panel.

Solentim
VIPS™
Verified In-Situ Plate Seeding



Accelerating workflows for single-cell cloning

High efficiency, single cell seeding with enhanced, image based regulatory assurance.

ADVANCED INSTRUMENTS

VIPS is a benchtop instrument with a purple top and white base. It has a rounded, dome-like top section. The Solentim logo is on the front.

Solentim
ICON™



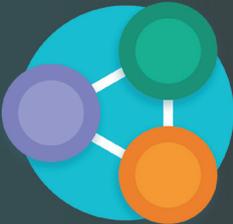
The new measure of productivity

The all-in-one benchtop instrument for the selection of leading clones.

ADVANCED INSTRUMENTS

ICON is a benchtop instrument with an orange top and white base. It has a large, rounded front panel. The Solentim logo is on the front.

Solentim
STUDIUS™



The new standard for cell line development

Data Management Solution for Cell Line Development Projects

ADVANCED INSTRUMENTS

STUDIUS is a software interface shown on a dark background. It features a central graphic of four colored circles (blue, green, orange, purple) connected by lines. The Solentim logo is at the top.

About Solentim

Solentim is the trusted global leader for solutions to create, isolate and characterize the highest value cells for the development of new biological medicines and therapies.

Our portfolio of proven and innovative technologies, combined with our unparalleled experience, ensures our customers achieve accelerated Master Cell Bank development and are confidently prepared for regulatory review.

Solentim is part of Advanced Instruments



Focused on high value cells



www.solentim.com



www.aicompanies.com



Cert No. 12777
ISO 9001

UK and rest of world

Solentim Ltd.

T +44 (0)1202 798510
E sales@solentim.com
support@solentim.com

China

Solentim China Ltd.

T +86 21 3412 6167
E CNsales@solentim.com
CNsupport@solentim.com

European Union

Solentim Ireland Ltd.

T +44 (0)1202 798510
E sales@solentim.com
support@solentim.com

USA & Canada

Solentim Inc.

T (EST) 617-715-6927
(PST) 619-419-2811
E ussales@solentim.com
support@solentim.com

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