

Osmolality and Clonality – Critical Quality Attributes In Production of Modern Therapeutics.

Use Cases for mAbs and Cell and Gene Therapy Workflows



The Solentim portfolio of assurance rich technologies are trusted solutions for the isolation and characterization of high value single cell clones in cell line development (CLD), enabling smarter decisions earlier in the process.

TECHNOLOGY



VIPSTM PRO
High Efficiency Single Cell
Seeder with Assurance



Cell Metric X
Clone Image with
Automated Assurance



ICONSTM
Top Clone Selection for
Productivity

InstiGROSTM Growth Supplement for Cloning Plates

InstiSHAKESTM Growth Supplement for Transition from Static to Shaking Culture

InstiTHAWSTM for High Viability Freeze/Thaw for Cell Banking

USE CASES

High efficiency, high viability single cell seeding in 96/384 well plates

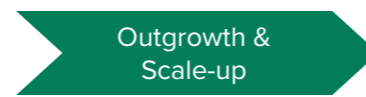
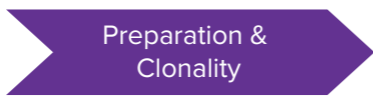
Tracking of initial cell division, colony outgrowth and growth rate

High accuracy viable cell counts and titer for suspension cultures

First stage evidence of clonality (single cell in dispensed droplet)

Second evidence of clonality (Single cell in media-filled whole well image - completes the 'double lock' of assurance)

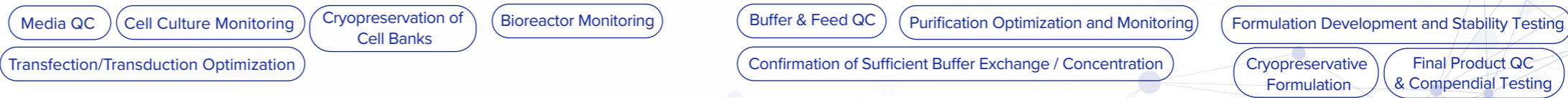
Combines productivity with clonal origin for top clone selection



WORKFLOW



USE CASES



TECHNOLOGY



OsmoTECH HT
Automated
Micro-Osmometer



OsmoTECH XT
Single-Sample
Micro-Osmometer



OsmoTECH PRO
Multi-Sample
Micro-Osmometer



OsmoTECH® osmometers, designed specifically for the biopharma industry, are a powerful tool in both the upstream and downstream workflows including those in Cell and Gene Therapy applications.