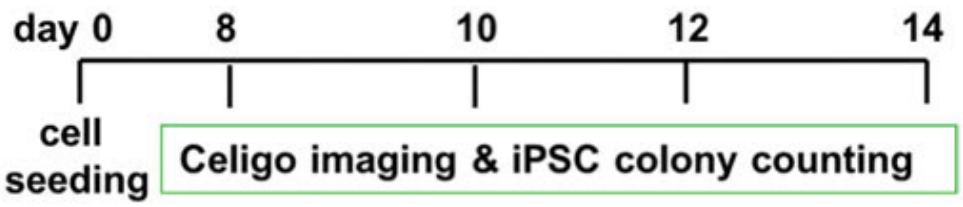
Do You Work With Cell Culture?

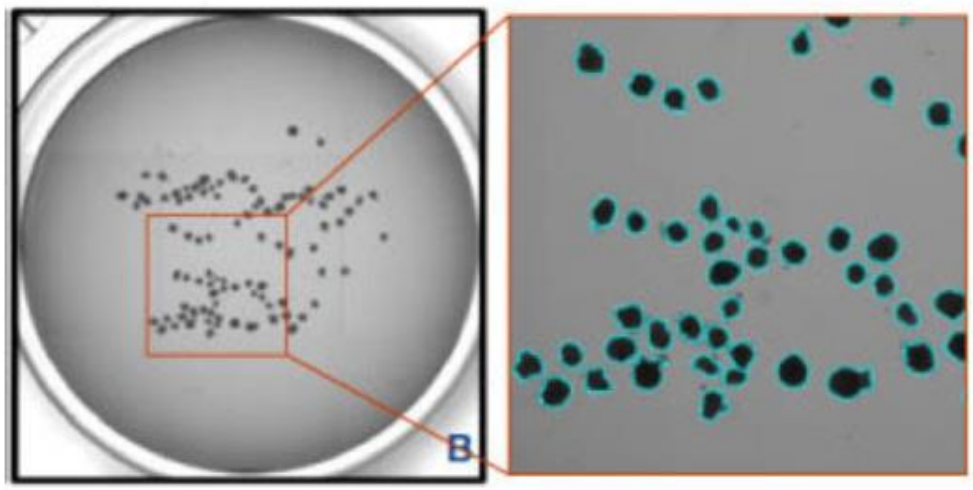
Monitoring iPSC Reprogramming, Stem Cell Pluripotency, and Differentiation

Celigo S Imaging Cytometer is a bench-top *in situ* cellular analysis system that rapidly provides high integrity whole well images for routine bright field and fluorescent cellular analysis.

- Follow iPSC reprogramming over time without trypsinization
- Monitor colony formation and growth
- Analyzes embryoid body populations of all shapes and sizes

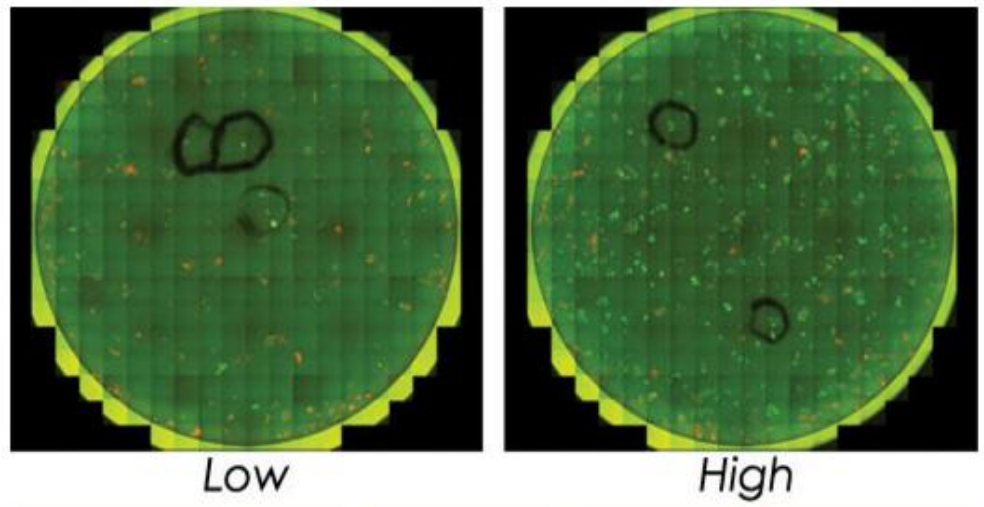


Rapid, Label-free Counting and Characterization of Live Embryoid Bodies



The Celigo Embryoid Body Application uses a whole-well rapid scanning capability to count and determine the size, shape, and morphology of embryoid bodies. This enables the tracking of live embryoid body characteristics for correlation with final differentiation patterns.

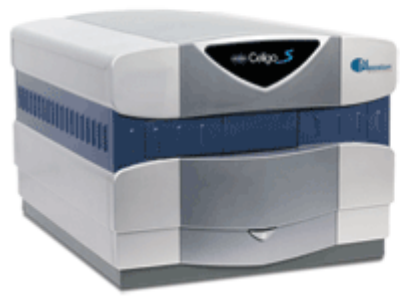
Detect and Monitor the Formation of mOrange OKSM and Nanog Positive Colonies



Reprogramming	# of Colonies	# of Orange Colonies	# of Green Colonies	% Reprogramming
Low	200	200	50	25
High	700	700	600	86

The progression of reprogramming was monitored by scanning and analyzing the plates every two days (from day 2 to day 14). Percent reprogramming was determined by the number of counted GFP positive Nanog colonies versus total number of colonies in the well.

Celigo S Imaging Cytometer



- Whole and partial well imaging
- LED-based bright-field imaging
- LED-based fluorescence at three wavelengths
- Auto-focus