

cellTRAY Imaging System CT-1000 Solution	
<ul style="list-style-type: none"> • Prior Pro Scan System • Monochrome Camera • Desktop Computer + Monitor • cellTRAY Manager Software • cellTRAY dish – 24 units • cellTRAY slide – 3 units • cellTRAY Isolation Chamber - 6 units • USB & serial cables 	

Prior Pro Scan System Specifications	
<ul style="list-style-type: none"> • Stage travel range: 114mm x 75mm • Minimum step size (resolution): 0.01 µm • Load capacity: 10kg • Stepper motor: 4 phase, 1 amp per phase, micro stepping 	

200 µm cellTRAY Slide Properties	
Size:	1 " x 3" x 1.1mm
Material:	Borosilicate Glass
Cell Lifetimes:	2 – 6 Hours ¹
Total Wells:	1056
Well Depth	20 µm
# Regions	8
# Wells / Region	132
Well Volume	797 pL
Channel Volume	652 nL
Total Region Volume	757 nL
Total Volume	6.06 µL

Imaging System Parameters Camera	
Sensor type	1.4 Mega pixel CCD
Effective Pixels	1392 x 1040
Dynamic Range	> 66 dB
Read Noise	8 e- rms
Digital Output	8 & 12 bit
Interface	USB 2.0

300 µm cellTRAY Slide Properties	
Size:	1 " x 3" x 1.1mm
Material:	Borosilicate Glass
Cell Lifetimes:	2 – 6 Hours ¹
Total Wells:	640
Well Depth	20 µm
# Regions	8
# Wells / Region	80
Well Volume	1793 pL
Channel Volume	630 nL
Total Region Volume	733 nL
Total Volume	6.18 µL

Desktop Computer Specifications	
<ul style="list-style-type: none"> • Intel Core 2 Duo Processor (2.4 GHz) • 3 GB RAM (memory) • 250 GB Hard Disk Drive • DVD-Recordable • USB 2.0 ports • Serial port • Windows XP • Monitor 	

Microscope Pre-Requisites	
<ul style="list-style-type: none"> • Inverted or Upright (10x objective) • Available camera port • Appropriate C-Mount adapter (1/2" format) 	

¹ In a controlled environment using the isolation chamber to contain feeding material and protect the cells from evaporation.