

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

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

<b>200 µm cellTRAY Slide Properties</b>	
Size:	1 " x 3" x 1.1mm
Material:	Borosilicate Glass
Cell Lifetimes:	2 – 6 Hours <sup>1</sup>
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
<b>Total Volume</b>	<b>6.06 µL</b>

<b>Imaging System Parameters Camera</b>	
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

<b>300 µm cellTRAY Slide Properties</b>	
Size:	1 " x 3" x 1.1mm
Material:	Borosilicate Glass
Cell Lifetimes:	2 – 6 Hours <sup>1</sup>
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
<b>Total Volume</b>	<b>6.18 µL</b>

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

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

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