

# THE POWER OF MULTICYCLE AV WITH THE EASE OF USE OF FCS EXPRESS

Stop making the choice between sophisticated DNA analysis and modern, easy to use software. The combination of MultiCycle AV and FCS Express lets you have both.

## MultiCycle™ AV

- 2 Automatically detects the number of cycling populations
- 3 Automatically applies six different model variations to help determine which is the best fit for your data
- 6 Summary interpretation of the reliability of the S-phase calculations
- 7 Summary statistics give an overview of all models
- 9 Detailed statistics on up to three cycling populations plus a diploid standard or apoptotic peak
- 10 State of the art histogram-dependent debris and software aggregation compensation

## FCS Express™

- 1 Easy to use, Microsoft Office style user interface
- 4 Advanced gating. As you change your gates, the DNA analysis updates in real-time
- 5 Sophisticated reporting capabilities. Set up your report any way you like
- 8 Full control over the visual display of the different populations
- Batch processing automatically analyzes many samples and places results in Excel spreadsheet
- Export data directly to downstream LIS systems
- Complete flow analysis techniques including compensation, quadrants, markers and much more...

### 1 MultiCycle AV running seamlessly inside FCS Express™

**DNA Cell Cycle Results with Multicycle AV and FCS Express 5**

**Non-Debris 87.36%**

**Singlets 83.39%**

**Interpretation**  
 MultiCycle suggestions (a guideline only). A near-tetraploid aneuploid DNA content is observed.  
 The tetraploid %S=4.39, %G2=1.36  
 The S Phase confidence is poor  
 Note: % cells, intra-model error.

**Experiment Statistics**  
 Chi sq: 1.38  
 Average %S: 15.54  
 Average %S aneuploid: 4.39  
 BAD: 0.09  
 Number of cells: 7658.00  
 Number of cycles: 2.00  
 Cycle fit model: 2 Cycle

Model	Dip %G2	Dip %S	A %G2	A %S	Chis
SL CV S0	3.43	17.59	1.36	4.39	1.38
SL CL S0	1.16	18.35	1.27	3.91	1.38
+G2/G1 Fixed	6.20	16.89	1.05	6.09	1.38
+Aggregates	0.00	17.13	1.08	2.69	1.49
+S Order = 1	0.49	18.41	1.09	4.19	1.17
+CVs Fixed	0.19	18.43	1.09	3.73	1.14

Cycle	G1 Mean	G1 CV	%G1	G2 Mean	G2 CV	%G2	%S	G2/G1	%Total	D.I.	B.A.D.
Diploid	227.32	2.48	78.98	453.44	2.48	3.43	17.59	2.00	84.46	n/a	0.10
Aneuploid A	442.38	2.17	94.25	852.82	2.17	1.36	4.39	1.93	15.54	1.95	0.04

Download a free 30 day trial of this unbeatable combination at <http://www.denovosoftware.com/site/demo-overview.shtml>