CYTOMATION
Better Tools. Good Science.

The Summit MoFlo Electronics Upgrade improves the performance of flow cytometers by replacing the outmoded computer hardware, software and electronics systems with Cytomation's Summit Software System, Summit Workstation and MoFlo Electronics Interface.

SUMMIT SOFTWARE SYSTEM

Summit's software compensation allows you to display raw or compensated values, and interactively adjust constants directly on the histogram or through the Compensation Matrix. Compensation values can be displayed on the axis, so the constants are updated in real-time and are displayed on graphs when printed. Compensation parameters can be defined for an unlimited number of colors. Compensated and raw data can be displayed side-by-side to facilitate the creation of "what-if" scenarios. Constants can be re-used across samples, or separate compensation matrices can be created for each of an unlimited number of samples, all on the screen at the same time. Compensation is available in an 8 x 8 matrix, plus ratios and time.

Summit offers flexibility throughout the program so that data can be gathered and manipulated in ways that best suit the application and user. For example, a logical expression can be defined using any number of regions in "AND" and "NOT" combinations, including non-rectangular regions with an unlimited number of vertices. Up to 32 analysis and gating regions can be specified for each histogram.

Summit's Data Navigator tracks samples in experiments, projects, and research programs. Tests and controls with different parameters can be grouped, and samples can be dragged and dropped between experiments to help organize information. The desktop can be organized by editing tables, changing histogram size preferences and moving around toolbar buttons. Each user's desktop organization preferences can be saved. All the organizational tools available in Windows® NT are available in Summit.

Summit graphics, statistics, raw data, compensation matrices, and other useful information are easily copied to the clipboard and pasted into other applications. Summit supports color graphics output on any printer available in Windows NT. The ability to customize fonts, colors, and sizes provides desktop publishing quality output.

SUMMIT WORKSTATION

This high-end computer workstation provides a powerful platform for the Summit MoFlo Electronics Upgrade, as well as off-line analysis, manuscript preparation and desktop publishing. The standard workstation is a very powerful, network-ready computer, and upgrades and peripherals are available to customize each workstation to meet the needs of the researcher.

MOFLO ELECTRONICS INTERFACE

The electronics interface for the Summit MoFlo Electronics Upgrade uses the same electronics design as MoFlo, Cytomation's premier flow cytometer. It is capable of sorting at up to 70,000 events per second with greater than 99% purity; limitations are set only by the cytometer's fluidics system.

Fifteen sorting modes (a matrix of purity, enrich and single vs. 0.5, 1, 1-2, 2, and 3 drops), and mixed mode are available. It is also capable of high density cloning and ratiometric sorting.

SUMMIT MOFLO ELECTONICS UPGRADE TECHNICAL SPECIFICATIONS

Summit MoFlo Upgrade includes:	Summit Software CD-ROM with program files
	Summit Workstation (see specifications below)
	MoFlo Electronics Interface with interface cables
	Summit Getting Started Guide
	Summit Reference Guide
Summit Software Platform:	Windows NT for acquisition, Windows NT, 98, or 95 for offline data analysis
Optical Specifications:	Determined by flow cytometer's optical system
Fluidics Specifications:	Determined by flow cytometer's fluidics system

SUMMIT WORKSTATION SPECIFICATIONS

Platform:	Windows NT operating system
Motherboard:	Dual Intel 400 MHz Pentium II with 128 MB RAM expandable to 1 GB
Storage Space:	Two 8.4 GB hard disks, CD-ROM drive, optional DVD, CD-RW
Monitor:	Single or dual-monitor 16 MB video card, one or two 21-inch or larger traditional tube-type or LCD flat screen monitors
Monitor:	Ethernet LAN card, 3.5" disk drive, sound card/speakers

Summit MoFlo Electronics Upgrades are available for the following systems:

- FACStar+
- FacStar
- FACS IV
- EPICS ELITE
- EPICS 700 Series
- EPICS 500 Series
- EPICS C
- Ortho 50