

# INSTRUMENTATION

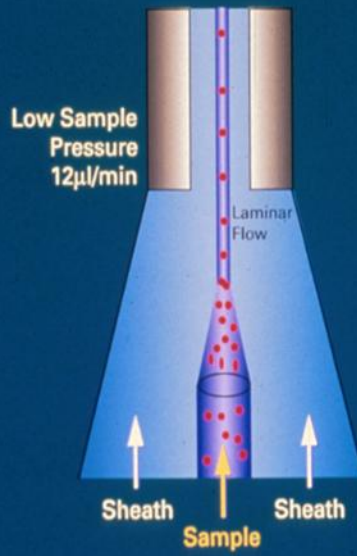
## FACSCALIBUR



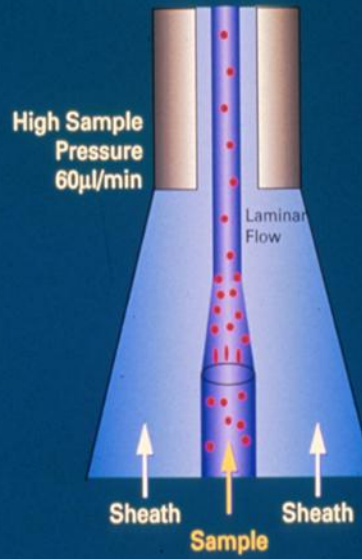
The FACSCalibur is available to trained users during normal hours of operation between 8:30AM and 4:30PM. The instrument is also available to users during evenings and weekends and is limited to trained users who have been granted card reader access privileges (Room 548) using their Johns Hopkins ID. All users are responsible for reviewing and following the QC, clean-up and shut down procedures.

# Sample Flow—FACSCalibur

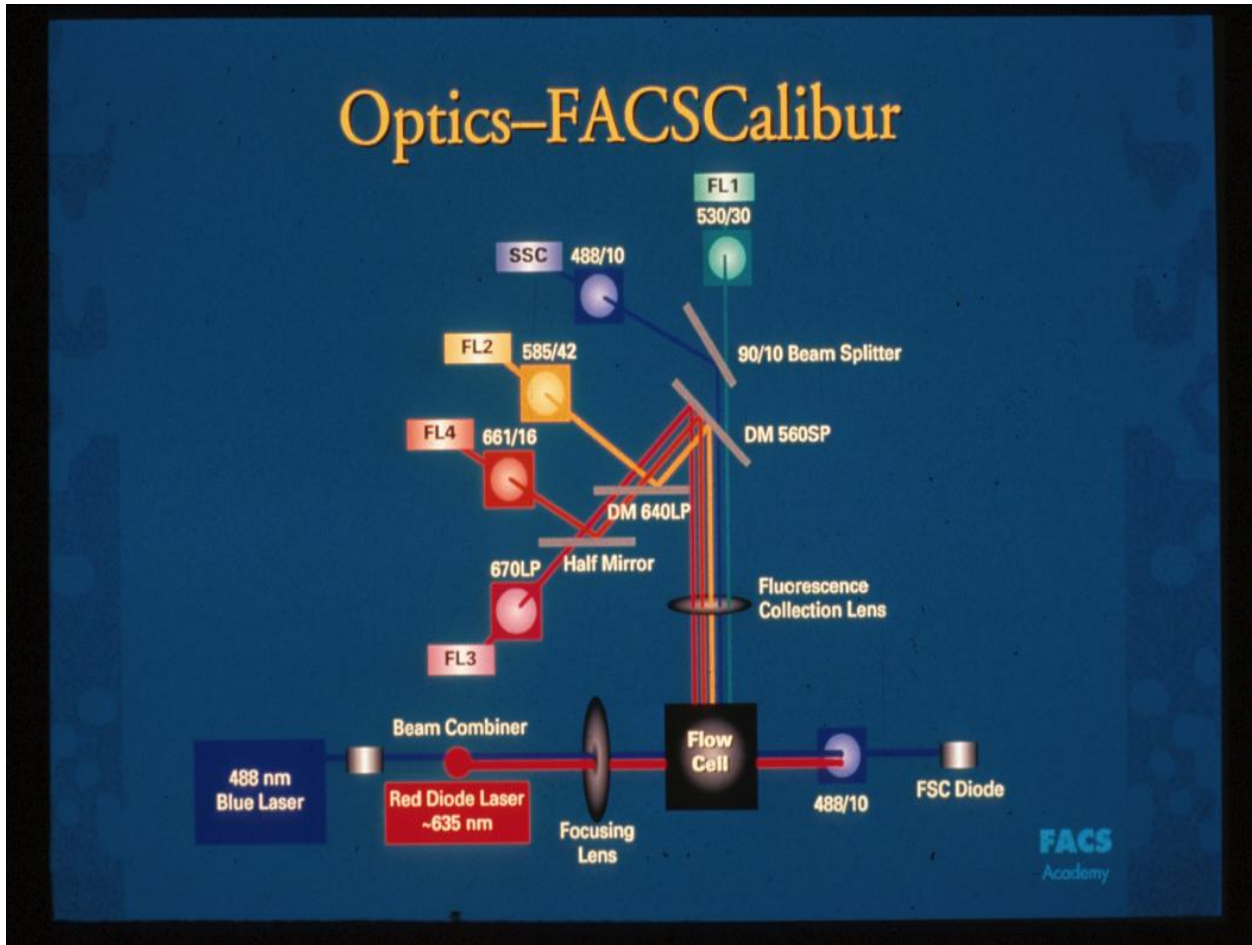
Low Differential Pressure



High Differential Pressure



# OPTICS



## **FACSCALIBUR APPLICATIONS SUPPORTED**

- Multiparameter (4 color) Analysis
- Cell Cycle Analysis with doublet discrimination
- Functional Cell Assays including Membrane Potential, Oxidative Metabolism, Intracellular Calcium and more
- Multiple measurements of apoptosis
- Immunophenotyping
- Many more –inquire- [jchrest@jhmi.edu](mailto:jchrest@jhmi.edu)

# FACSARIA



**SIXTEEN PARAMETER SPECIAL ORDER SYSTEM (BD BIOSCIENCES) WITH 2 LIGHT SCATTER AND 14 FLUORESCENCE DETECTORS**

## FOUR LASERS

- 1) 488nm/blue-100mw (Sapphire 488-100)
- 2) 405nm/violet-50mw (Cube)
- 3) 635nm/red-30mw(Cube)
- 4) 355nm/UV-20mw (Lightwave XCYTE)

## **FOUR DETECTOR ARRAYS-1 Octagon+3 Trigons**

### **CURRENT OPTICAL CONFIGURATION**

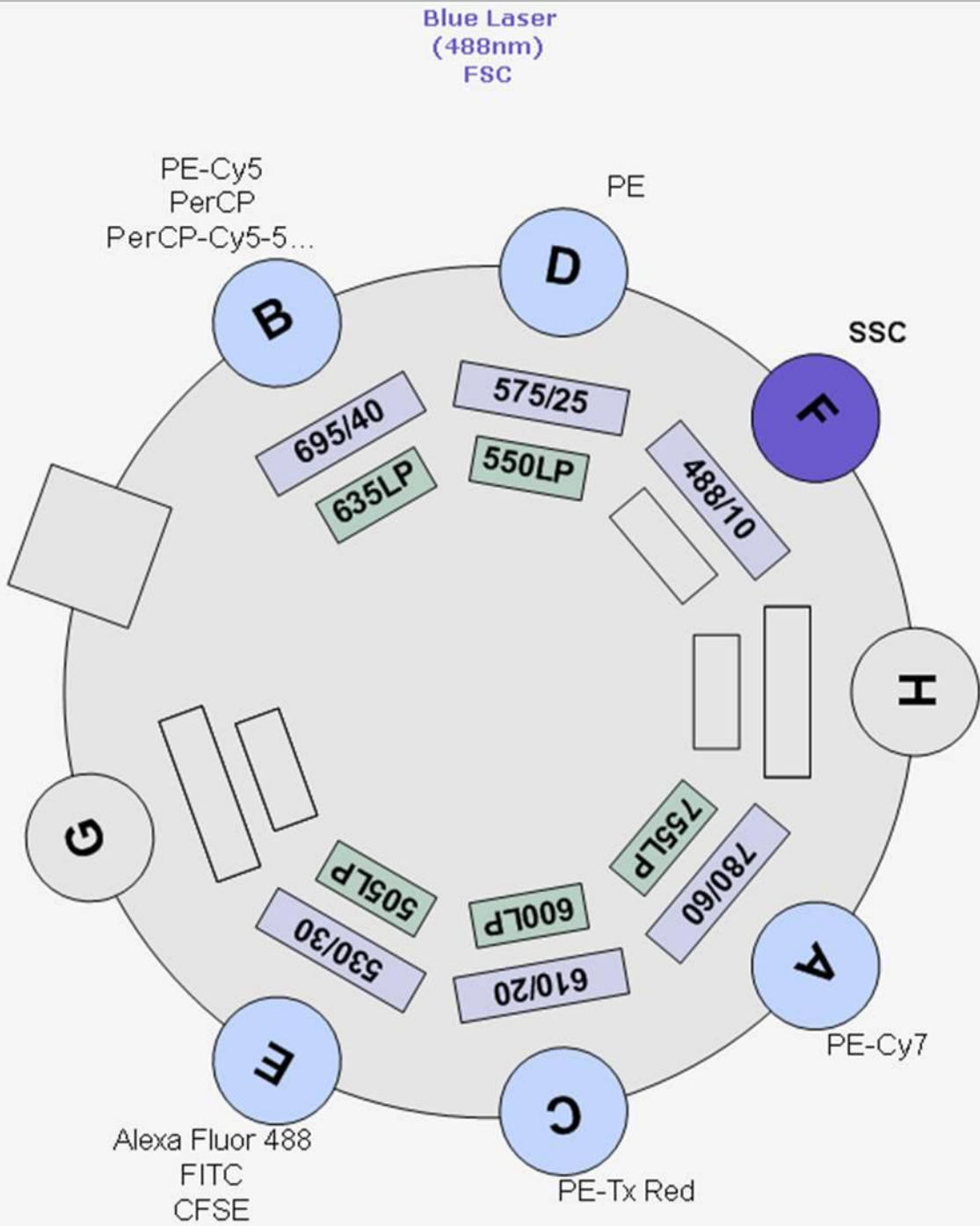
488 Laser Octagon with 6 Active PMT's-1 Side Scatter + 5 for Fluorescence

405 Laser Trigon-3 Active PMT's-Fluorescence

635 Laser Trigon-3 Active PMT's-Fluorescence

UV Laser Trigon-3 Active PMT's-Fluorescence

Aria Standard Configuration For graphic

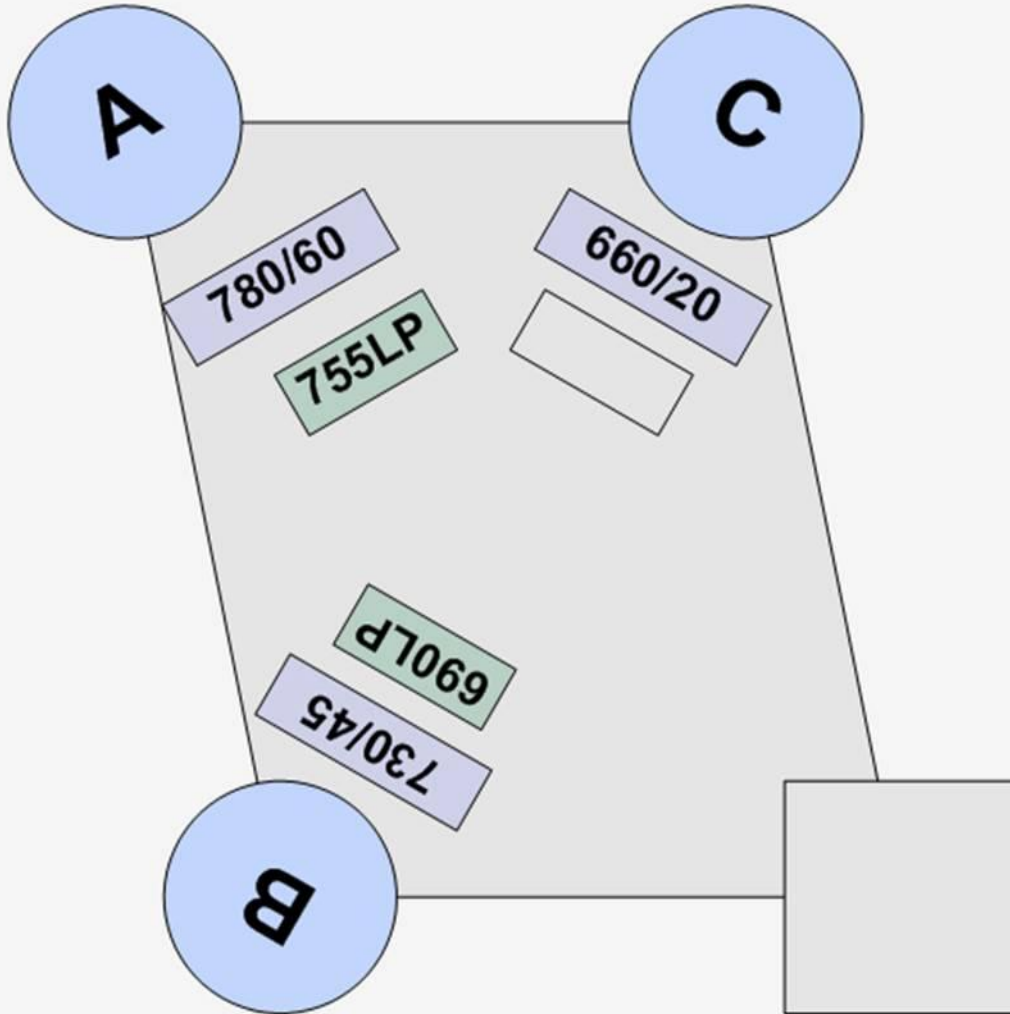


Aria Standard Configuration For graphic

Red Laser  
(633nm)

APC-Cy7  
APC-H7

APC  
ALEXA FLUOR  
647



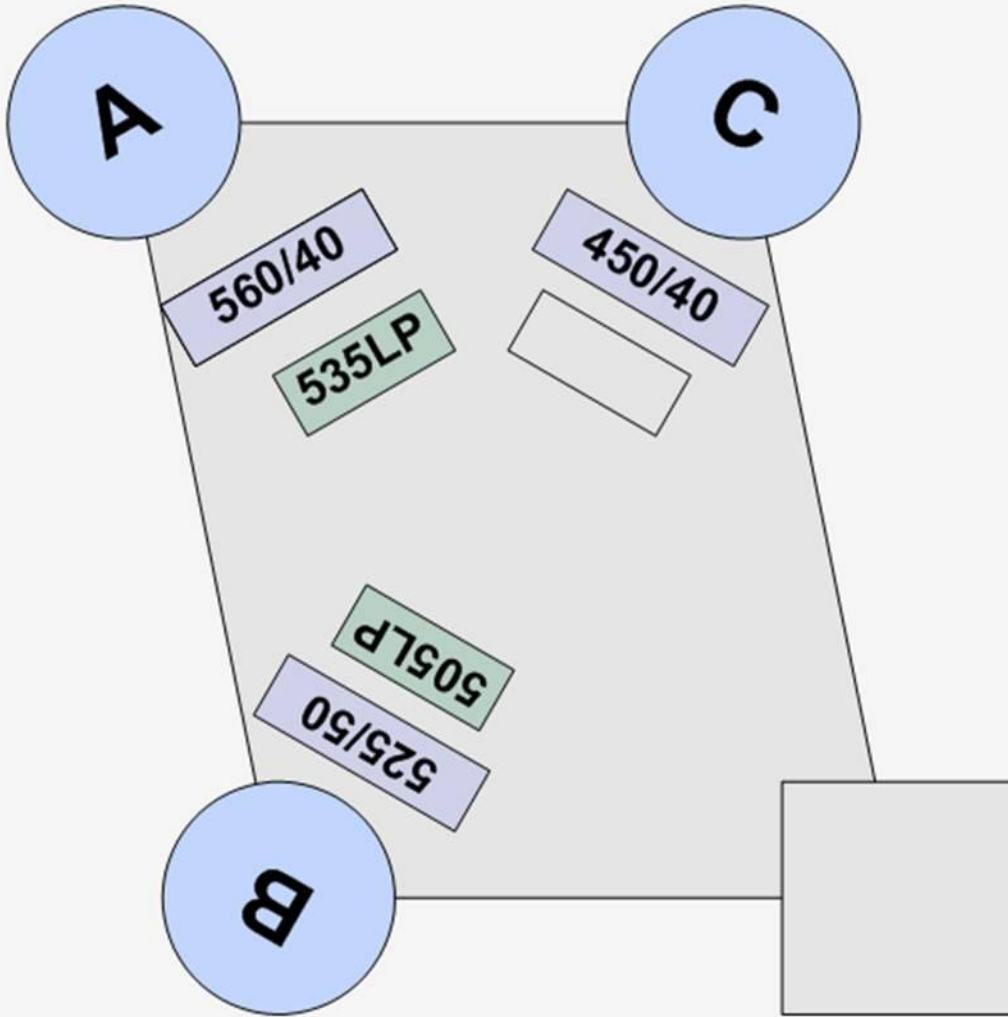
Alexa Fluor 700

Aria Standard Configuration For graphic

Violet Laser  
(405nm)

Alexa Fluor 405  
Pacific Blue

Qdot 565



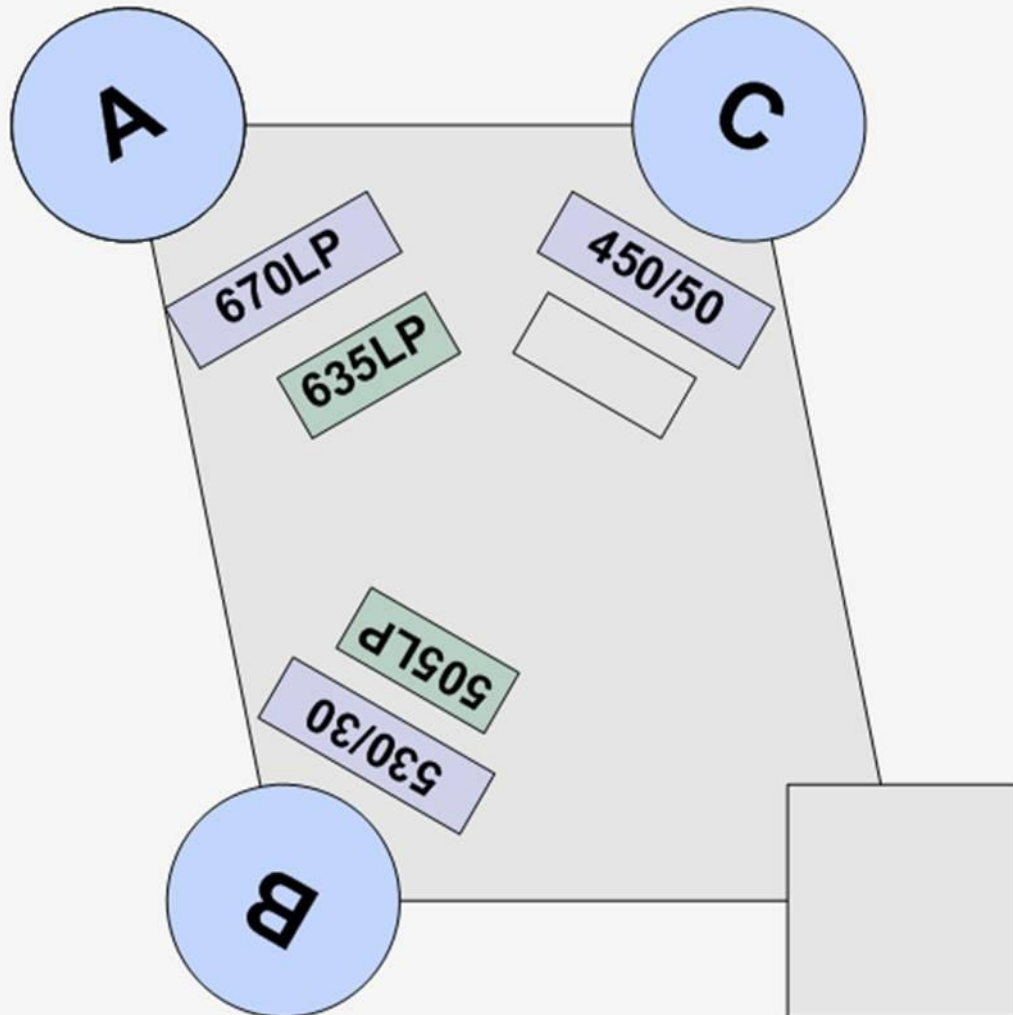
Am Cyan

Aria Standard Configuration For graphic

355 UV Laser  
(355nm)

SP FAR RED

DAPI/Hoescht

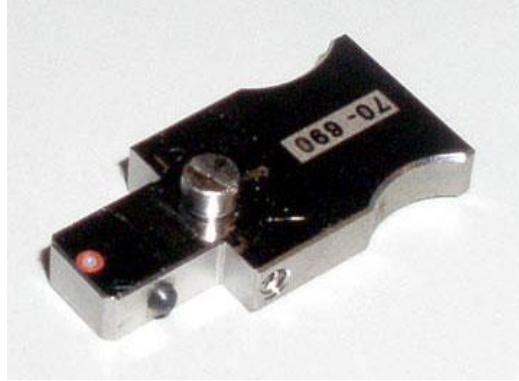


Indo-1 Blue

## CELL SORTING

### FACSARIA CELL SORTING

Nozzles-70 and 100 micron options



4 Way-Populations

Sorting



96 Well/Single Cell



STERILE SORTING AVAILABLE-Notify staff-Joe Chrest [jchrest@jhmi.edu](mailto:jchrest@jhmi.edu)

