

MSU 4-Blue 2-Violet 3-Red

Cytometer: LSRII
Cytometer Name: LSRII
Serial Number: 1
Input Device: Manual
Window Extension: 10.00

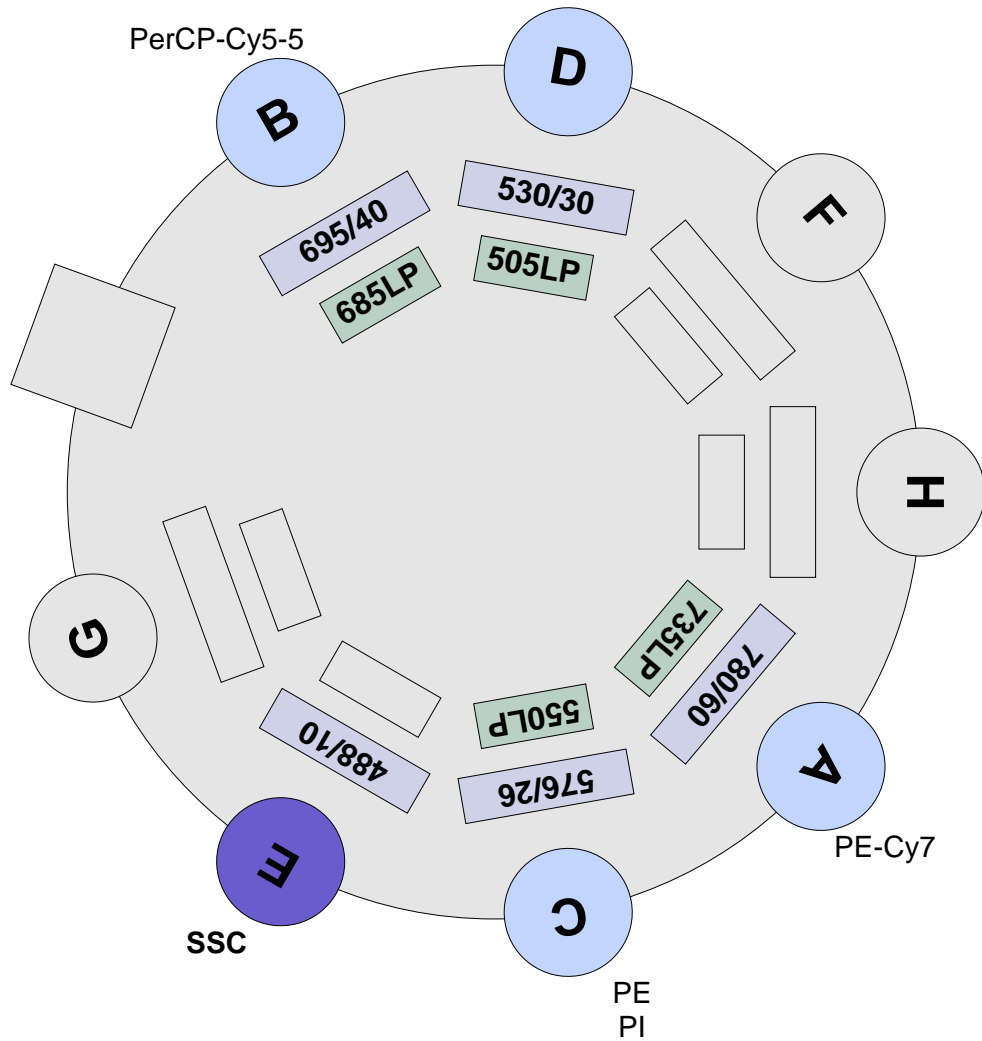
User: Administrator
Institution: MSU
Software: BD FACSDiva 6.0
Date: 1/21/2008 3:31:08 PM

Blue Laser
(488nm)

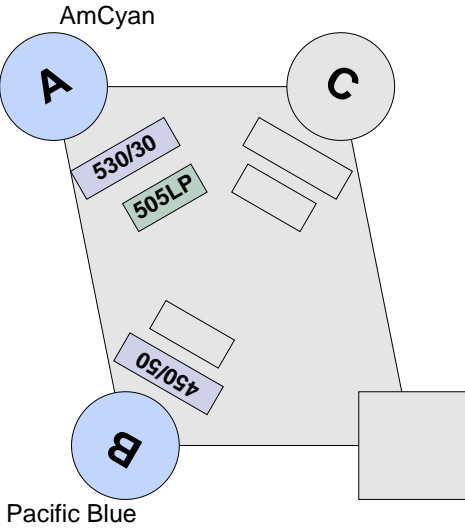
1 color only
PE-Texas Red
PI, PE-Cy5

FITC
FP

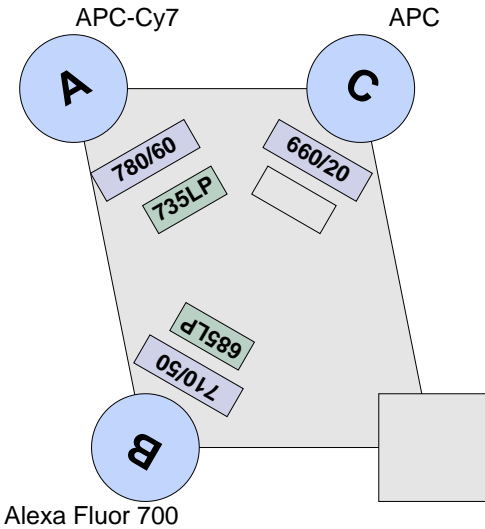
PerCP-Cy5-5



Violet Laser
(405nm)



Red Laser
(633nm)



Comments: _____

The diagrams identify the fluorochromes commonly used with each laser and detector. Only 1 fluorochrome can be used at a time in detector B and C. The Influx can accommodate all the fluorochromes used on the LSR II which allows you to use the Influx if the LSR II is not available. The LSR II may be used for cell analysis only. The Influx can be used as an analyzer or sorter.

The degree of laser excited cellular autofluorescence; the number of receptors for a given marker; and the spectral overlap of the fluorochrome combinations chosen will determine the number of markers which will work in a given application.

Falcon 12 x 75 mm tubes in either the polystyrene or polypropylene material may be used on the LSR II. Other brands will also work but require the tube o-ring seal to be changed to match the tube. A 300 ul sample volume with a cell density equivalent of 1-2 million cells/ml works best for maximum sample throughput.

Verity Software House WinList 8 with Modfiit 4.1 are available on the PC workstation for post acquisition data analysis. It handles the complete range of phenotyping, cell proliferation, and cell cycle analysis you will need.

FlowJo Ver 10 for PC is also available for data analysis.

Data is generally saved by the customer in FCS 3.0 file format written to your own USB memory device. This data can then be analyzed by Verity, FlowJo-LLC, and other post aquisition software.

The facility is available Monday-Friday by appoint. Contact Louis King by e-mail (kingl@msu.edu) or by phone (355-1536) to make an appointment. The LSR II is located in BPS Rm 5115 behind security doors which I must open for you unless you already have security clearance.