Optics of FACSCalibur Flow Cytometer

FSC: Forward (small angle) light scatter
SSC: Side (right angle) light scatter
PMT: photomultiplier tube
DM: dichroic mirror
SP: short pass
LP: long pass

670LP

To FL4 PMT

To FL2 PMT

585/42

661/16

To FL4 PMT

488/10

To SSC PMT

530/30

90/10 beam splitter

fluorescence collection lens

To FL1 PMT

DM 560SP

DM 640LP

half mirror

Focusing lens

To FL3 PMT

blue laser 488 nm

red laser ~635 nm

FLOW CELL

488/10

To FSC diode