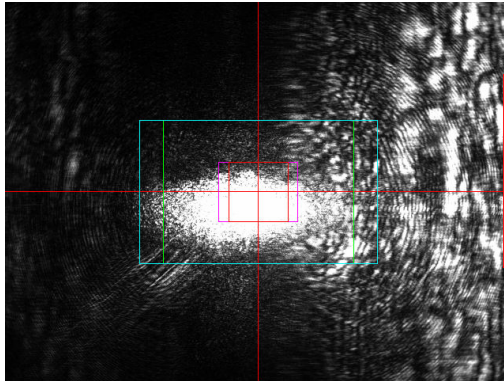


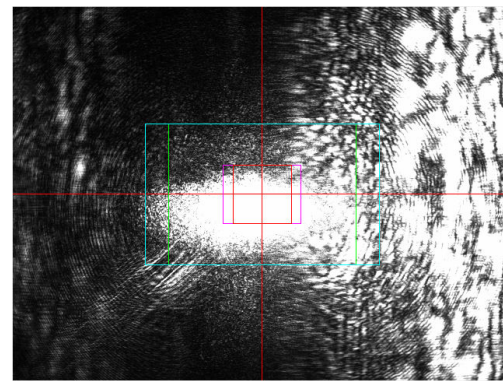
Production 73 LASER ALIGNMENT REPORT

Alignment done by Manna

Date: 08/23/2019



Move:
Z Up 800um
Exposure: 5000



Move:
Z Up 800um
Exposure: 10,000

Cartridge ID:37-1849

Type of cartridge: Sorting

Cartridge aligned with: Gold

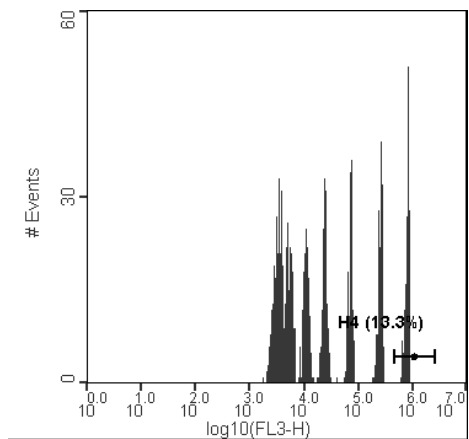
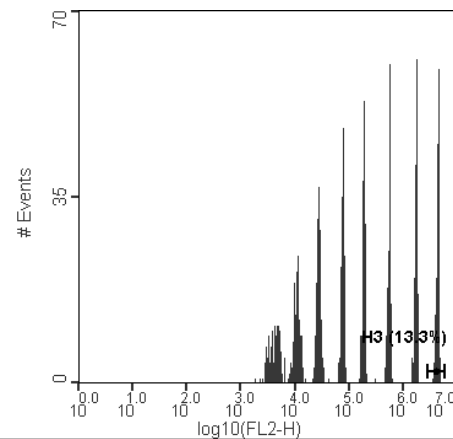
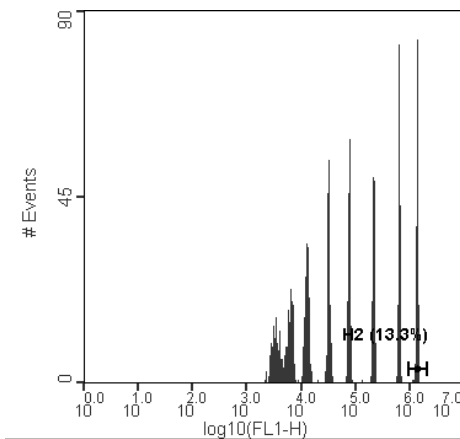
Laser power: 30mW, Exposure: 5000 (Left), 10000 (Right)

Hysteresis value xyz = 0.008um

Date image is captured:08/23/2019

Rainbow beads reference data

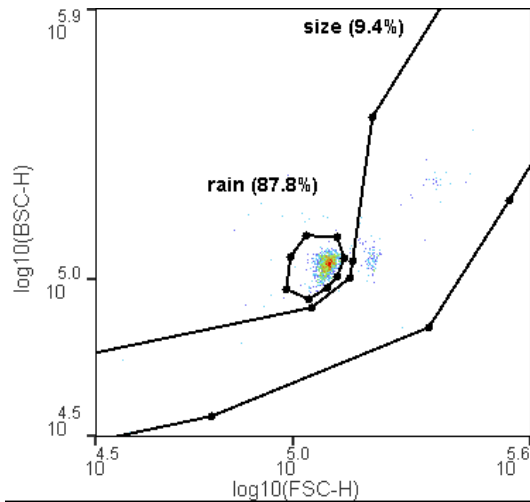
Date rbw beads analyzed:08/23/2019



	Peak 8 CV%	Peak 8 Mean	Peak 2 CV%	Peak 2 Mean
FL1	3.92	1,398,848	14.62	6,193
FL2	5.66	4,471,786	13.34	11,197
FL3	7.98	804,190	N/A	N/A

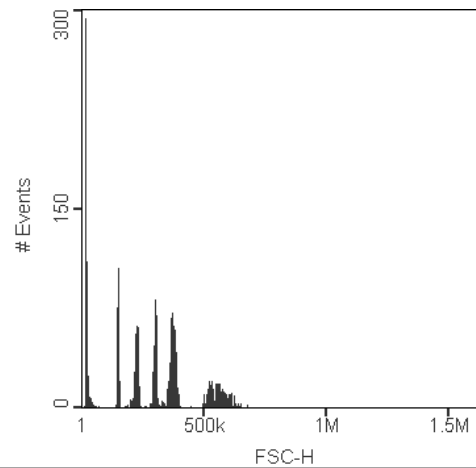
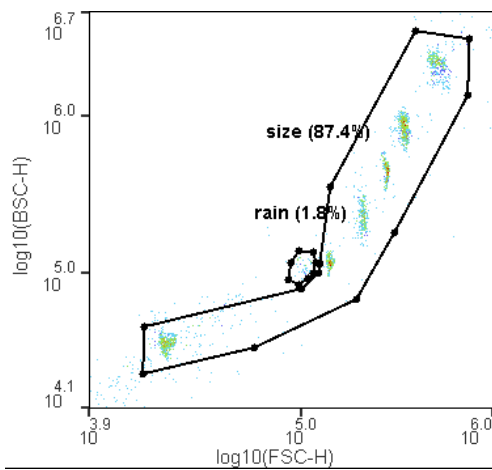
Production 73 LASER ALIGNMENT REPORT

Gate



Trigger: FSC
Threshold: 8,400
Gain: FL1=FL2=FL3=0.43V, BSC=0.28V

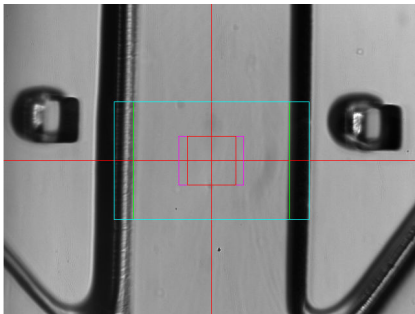
Size Calibration Beads



Chip center value

x:2.4588928 y:1.5092773 z:1.5822144

Chip center image with reference cartridge



Production 73 LASER ALIGNMENT REPORT

Baseline with dry cartridge
Cartridge ID 37-1849

	FI3	FI2	FI1	Bsc	Fsc
Offset	295.61u	975.39u	806.35u	1.1848m	-6.9336u
StDev	31.256p	1.4684n	148.06p	224.17p	163.61p