

Cytometer Performance Report

Cytometer: FACSriaII
 Cytometer Name: FACSriaII
 Serial Number: 1
 Input Device: Manual
 Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 8.0.1
 Date: 06/13/2016 02:16 PM
 Cytometer Baseline: 04/26/2016 09:22 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 82950 Expiration Date: 03/31/2016 (Expired)
 Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123819	-1	1.45	123941	1.46
Blue	C	SSC	125000	125091	0	2.66	126110	2.65
Blue	B	Alexa Fluor 488	23483	23098	-2	2.85	534	32.19
Blue	A	PerCP	29631	29463	-1	5.38	596	32.48
Red	C	Alexa Fluor 647	23800	23340	-2	4.22	458	29.12
Red	B	APC-Alexa 700	89291	87945	-2	4.50	1611	11.90
Red	A	APC-Cy7	79063	77902	-2	5.73	1281	21.06
561 Yellow-Green	E	DsRed	89499	89001	-1	1.84	1978	11.58
561 Yellow-Green	D	PE-Texas Red	76034	75261	-2	2.57	1488	65.79
561 Yellow-Green	C	7-AAD	86998	85967	-2	3.34	1831	17.79
561 Yellow-Green	B	PE-Cy5-5	84542	83124	-2	4.05	1667	15.14
561 Yellow-Green	A	PE-Cy7	21961	20826	-6	5.63	334	17.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15219	3.01	331	-3	N/A	N/A	Pass
Blue	C	SSC	70247	3.30	364	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	108	125.33	578	-1	0.0122	1726	Pass
Blue	A	PerCP	117	108.72	618	4	0.0035	1750	Pass
Red	C	Alexa Fluor 647	120	68.43	597	1	0.0068	453	Pass
Red	B	APC-Alexa 700	397	27.41	622	6	0.0068	3209	Pass
Red	A	APC-Cy7	311	46.30	677	6	0.0021	824	Pass
561 Yellow-Green	E	DsRed	590	28.11	653	-3	0.3559	140	Pass
561 Yellow-Green	D	PE-Texas Red	397	189.67	638	-6	0.0026	1179	Pass
561 Yellow-Green	C	7-AAD	451	42.92	725	0	0.0296	221	Pass

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561 Yellow-Green	B	PE-Cy5-5	401	36.15	659	3	0.0219	427	Pass
561 Yellow-Green	A	PE-Cy7	80	38.44	479	1	0.0223	54	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
561 Yellow-Green Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Laser Settings

Laser	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Red	-72.40	-71.99	1.03
561 Yellow-Green	-37.52	-37.21	0.99
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12292

Fluidics

Sheath Pressure: 24.83 Sample Pressure: 23.71
Nozzle Size: 100

Comments