

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: 11/05/2019 09:03 AM
 Cytometer Baseline: 10/04/2019 09:26 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 72518 Expiration Date: 09/30/2019 (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	124546	-1	1.92	124615	1.96
Blue	C	SSC	125000	123872	-1	3.45	124815	3.48
Blue	B	Alexa Fluor 488	35423	34644	-3	3.14	857	16.54
Blue	A	PerCP	28278	27960	-2	5.29	817	25.51
Red	C	Alexa Fluor 647	25225	24711	-3	3.57	653	19.09
Red	B	APC-Alexa 700	89163	87201	-3	3.43	3059	8.00
Red	A	APC-Cy7	77655	75936	-3	4.45	2492	13.84
561 Yellow-Green	E	DsRed	100624	99430	-2	3.67	2413	8.31
561 Yellow-Green	D	PE-Texas Red	91271	90501	-1	3.83	2050	12.33
561 Yellow-Green	C	7-AAD	81827	79924	-3	4.52	2522	13.05
561 Yellow-Green	B	PE-Cy5-5	81902	80560	-2	4.50	2833	10.83
561 Yellow-Green	A	PE-Cy7	17622	16286	-8	5.74	503	13.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15154	4.07	405	36	N/A	N/A	Pass
Blue	C	SSC	59361	3.10	366	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	137	51.08	640	3	0.0247	0	Pass
Blue	A	PerCP	116	79.27	649	-1	0.0033	385	Pass
Red	C	Alexa Fluor 647	111	46.25	576	1	0.0097	19	Pass
Red	B	APC-Alexa 700	453	19.79	607	-5	0.0100	276	Pass
Red	A	APC-Cy7	357	37.38	661	-4	0.0029	253	Pass
561 Yellow-Green	E	DsRed	559	17.13	640	0	0.5485	0	Pass
561 Yellow-Green	D	PE-Texas Red	437	27.73	623	0	0.0416	6	Pass
561 Yellow-Green	C	7-AAD	412	33.71	707	-4	0.0390	35	Pass

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561 Yellow-Green	B	PE-Cy5-5	418	30.37	648	-10	0.0298	210	Pass
561 Yellow-Green	A	PE-Cy7	73	34.53	461	-9	0.0250	0	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	-72.11	-71.39	1.03
561 Yellow-Green	-37.47	-36.71	1.01
Blue	0.00	0.00	1.15

Window Extension: 2.00
FSC Area Scaling Factor: 1.02

Threshold

Threshold (FSC): 9793

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.77
Nozzle Size: 100

Comments