

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: 04/03/2017 10:14 AM
 Cytometer Baseline: 01/23/2017 11:58 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 77840 Expiration Date: 04/30/2017
 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	126017	0	2.11	126220	2.11
Blue	C	SSC	125000	123703	-2	3.34	125030	3.37
Blue	B	Alexa Fluor 488	24259	23951	-2	2.98	573	16.64
Blue	A	PerCP	32944	33111	0	4.71	890	21.42
Red	C	Alexa Fluor 647	25168	24975	-1	4.37	680	21.94
Red	B	APC-Alexa 700	79842	79514	-1	3.72	2139	10.07
Red	A	APC-Cy7	70914	70996	0	4.85	1739	17.68
561 Yellow-Green	E	DsRed	93811	94260	0	2.56	2455	8.42
561 Yellow-Green	D	PE-Texas Red	71426	71133	-1	3.02	1708	13.98
561 Yellow-Green	C	7-AAD	77597	77497	-1	2.96	2236	14.40
561 Yellow-Green	B	PE-Cy5-5	73870	73999	0	3.32	2121	12.50
561 Yellow-Green	A	PE-Cy7	22072	21147	-5	5.79	493	16.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15727	3.35	332	-3	N/A	N/A	Pass
Blue	C	SSC	63668	3.06	363	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	101	49.42	587	1	0.0249	0	Pass
Blue	A	PerCP	138	61.47	634	1	0.0046	322	Pass
Red	C	Alexa Fluor 647	127	52.19	599	-4	0.0071	61	Pass
Red	B	APC-Alexa 700	448	20.51	620	-2	0.0059	0	Pass
Red	A	APC-Cy7	369	38.80	677	-2	0.0022	122	Pass
561 Yellow-Green	E	DsRed	536	19.01	665	-3	0.4195	1	Pass
561 Yellow-Green	D	PE-Texas Red	342	32.29	636	-3	0.0285	2	Pass
561 Yellow-Green	C	7-AAD	419	35.76	727	-5	0.0309	54	Pass

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561 Yellow-Green	B	PE-Cy5-5	413	30.29	662	-3	0.0221	153	Pass
561 Yellow-Green	A	PE-Cy7	106	35.69	489	-3	0.0200	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	-73.81	-72.98	1.02
561 Yellow-Green	-38.57	-37.65	0.98
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9861

Fluidics

Sheath Pressure: 24.83 Sample Pressure: 23.84
Nozzle Size: 100

Comments