

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: 05/29/2017 11:23 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 (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	125906	0	3.06	126021	3.08
Blue	C	SSC	125000	122786	-2	5.13	123981	5.31
Blue	B	Alexa Fluor 488	24259	23837	-2	4.39	561	18.20
Blue	A	PerCP	32944	32543	-2	5.94	879	23.05
Red	C	Alexa Fluor 647	25168	25100	-1	4.82	677	22.83
Red	B	APC-Alexa 700	79842	78900	-2	3.91	2179	10.47
Red	A	APC-Cy7	70914	70154	-2	4.96	1787	17.98
561 Yellow-Green	E	DsRed	93811	94070	0	2.75	2446	8.93
561 Yellow-Green	D	PE-Texas Red	71426	70832	-1	3.22	1692	14.69
561 Yellow-Green	C	7-AAD	77597	77028	-1	3.27	2243	14.99
561 Yellow-Green	B	PE-Cy5-5	73870	73437	-1	3.66	2155	12.94
561 Yellow-Green	A	PE-Cy7	22072	21216	-4	5.73	511	17.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16059	6.49	338	3	N/A	N/A	Pass
Blue	C	SSC	63065	5.09	364	5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	93	56.48	588	2	0.0218	0	Pass
Blue	A	PerCP	134	63.72	637	4	0.0039	210	Pass
Red	C	Alexa Fluor 647	126	54.56	604	1	0.0066	72	Pass
Red	B	APC-Alexa 700	458	22.26	626	4	0.0055	243	Pass
Red	A	APC-Cy7	377	39.55	683	4	0.0020	150	Pass
561 Yellow-Green	E	DsRed	534	19.64	667	-1	0.3705	0	Pass
561 Yellow-Green	D	PE-Texas Red	339	33.46	639	0	0.0259	0	Pass
561 Yellow-Green	C	7-AAD	416	36.89	731	-1	0.0281	43	Pass

Cytometer Performance Report

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

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.1
Date: 05/29/2017 11:23 AM
Cytometer Baseline: 01/23/2017 11:58 AM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	417	31.65	667	2	0.0204	183	Pass
561 Yellow-Green	A	PE-Cy7	109	35.42	493	1	0.0165	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	-74.75	-73.85	1.01
561 Yellow-Green	-39.04	-38.06	0.97
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 10436

Fluidics

Sheath Pressure: 24.75 Sample Pressure: 23.84
Nozzle Size: 100

Comments