

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: 10/15/2019 09:09 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	125046	0	1.03	125119	1.02
Blue	C	SSC	125000	122752	-2	2.40	123779	2.33
Blue	B	Alexa Fluor 488	35423	35272	-1	2.53	879	16.10
Blue	A	PerCP	28278	28270	-1	5.83	810	25.14
Red	C	Alexa Fluor 647	25225	24896	-2	3.26	657	18.30
Red	B	APC-Alexa 700	89163	88153	-2	3.82	2938	7.82
Red	A	APC-Cy7	77655	76240	-2	5.38	2330	13.50
561 Yellow-Green	E	DsRed	100624	100929	0	1.85	2474	7.52
561 Yellow-Green	D	PE-Texas Red	91271	91351	0	2.23	2082	11.96
561 Yellow-Green	C	7-AAD	81827	80921	-2	3.43	2548	12.07
561 Yellow-Green	B	PE-Cy5-5	81902	81477	-1	4.41	2762	10.21
561 Yellow-Green	A	PE-Cy7	17622	16847	-5	5.76	483	13.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15070	2.74	406	37	N/A	N/A	Pass
Blue	C	SSC	59739	1.51	364	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	140	47.79	639	2	0.0249	0	Pass
Blue	A	PerCP	115	74.88	646	-4	0.0034	276	Pass
Red	C	Alexa Fluor 647	111	45.73	571	-4	0.0107	53	Pass
Red	B	APC-Alexa 700	429	19.74	599	-13	0.0127	735	Pass
Red	A	APC-Cy7	332	37.06	651	-14	0.0036	523	Pass
561 Yellow-Green	E	DsRed	566	16.68	637	-3	0.5704	0	Pass
561 Yellow-Green	D	PE-Texas Red	441	26.52	620	-3	0.0401	0	Pass
561 Yellow-Green	C	7-AAD	412	33.07	699	-12	0.0445	63	Pass

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: 10/15/2019 09:09 AM
Cytometer Baseline: 10/04/2019 09:26 AM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	402	29.43	642	-16	0.0363	250	Pass
561 Yellow-Green	A	PE-Cy7	69	34.38	455	-15	0.0310	24	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	-71.68	-70.94	1.04
561 Yellow-Green	-37.33	-36.53	1.01
Blue	0.00	0.00	1.16

Window Extension: 2.00
FSC Area Scaling Factor: 1.02

Threshold

Threshold (FSC): 9787

Fluidics

Sheath Pressure: 24.90 Sample Pressure: 23.77
Nozzle Size: 100

Comments