

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Purple_10-7-10.xad

Created: 10/7/2010 5:56:52 PM
 Modified: 10/7/2010 6:24:23 PM

Flow Cytometry Run Summary

Assay: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\cells\Red_to_Blue Series II.xsy

Assay Type: Cellular Version: 2.1

Assay Class: Red to Blue

Comments: Red to Blue
 This assay is for applications that apply a red reference dye and analyze blue fluorescent cells within a red population

Acquisition Mode: Default Samples Run: 6

User Name:

Company:

Instrument: Instrument Name: DE72905360 Firmware: C.01.069
 Serial #: DE72905360 Type: G2938C

Chip Comments:

Sample Name	Sample Blue Comment	Blue Staining	Red Staining	Sta tus	Total Event s	% of Gated	Observation
Mock				✓	541	1.5	
Delta5				✓	905	0.4	
Delta3				✓	689	1	
Delta5 plus cut Delta3				✓	667	1.5	
Delta5 plus cut Delta3 under 30 sec UV				✓	552	0.5	
EGFP				✓	604	1.5	

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Flow Cytometry Assay Details

Data Acquisition Parameters

Number of Available Sample Wells (Max.) : 6
Measurement Mode : Default

Graph Settings

Histogram Settings :

Blue :

Minimum : 0.01
Maximum : 10000
Scale : log

Red :

Minimum : 0.01
Maximum : 10000
Scale : log

Dot Plot Settings :

Blue :

Minimum : 0.01
Maximum : 10000

Red :

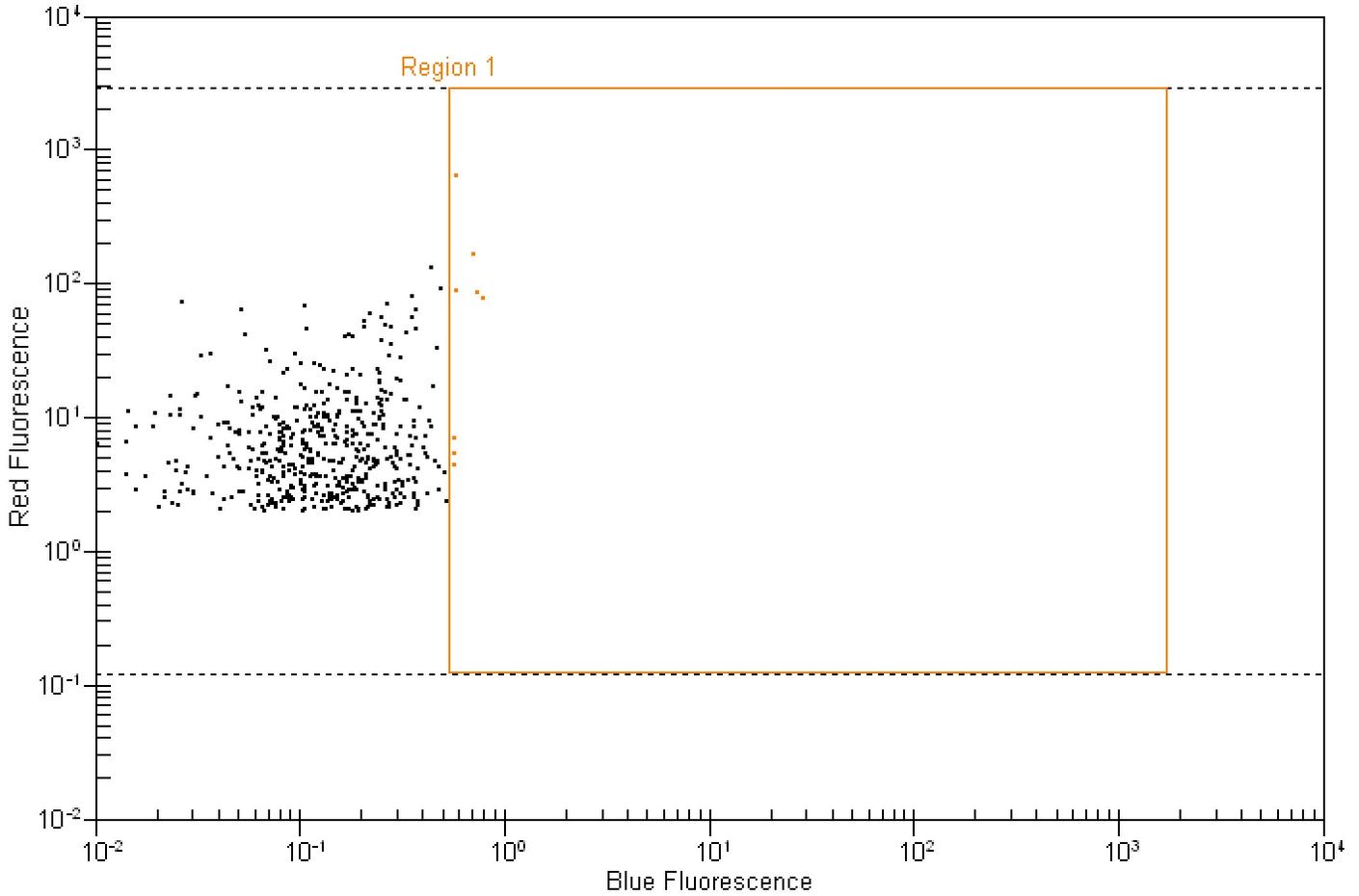
Minimum : 0.01
Maximum : 10000

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Dot Plot Summary

Mock



Dot plot statistics for sample 1 :

Mock

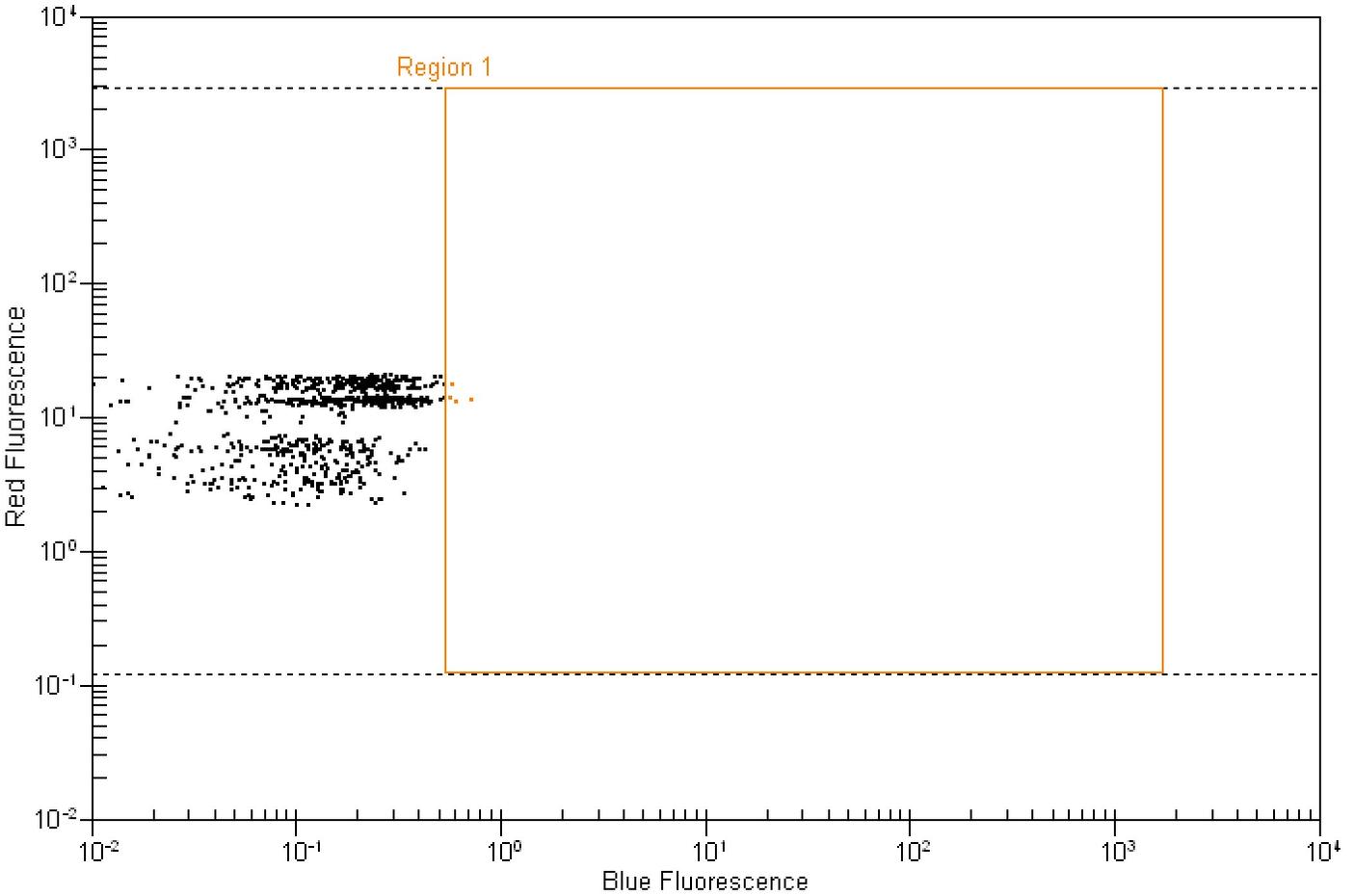
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.16	10.87	541	100.00	N/A	0.12	30.73	77.92	282.62	0.11	6.10
Region 1	0.64	133.14	8	1.50	1.50	0.09	195.34	13.55	146.71	0.63	42.24

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Dot Plot Summary Continued ...

Delta5



Dot plot statistics for sample 2 :

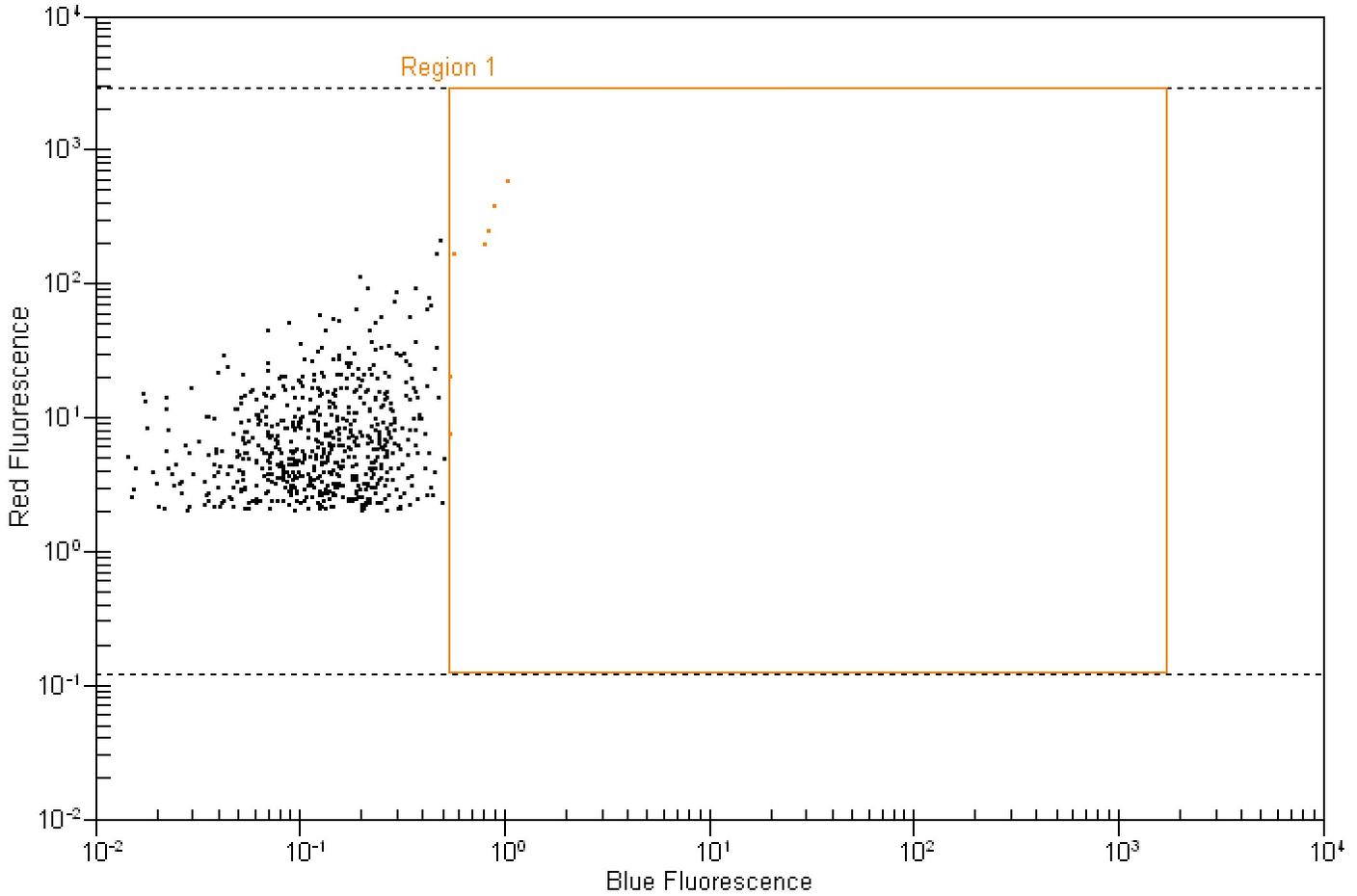
Region	XMean	YMean	#Events	Delta5		StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
				%Total	% of gated						
All Events	0.18	11.43	905	100.00	N/A	0.12	5.50	67.46	48.06	0.12	9.71
Region 1	0.62	14.44	4	0.40	0.40	0.06	1.65	9.46	11.41	0.62	14.35

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Dot Plot Summary Continued ...

Delta3



Dot plot statistics for sample 3 :

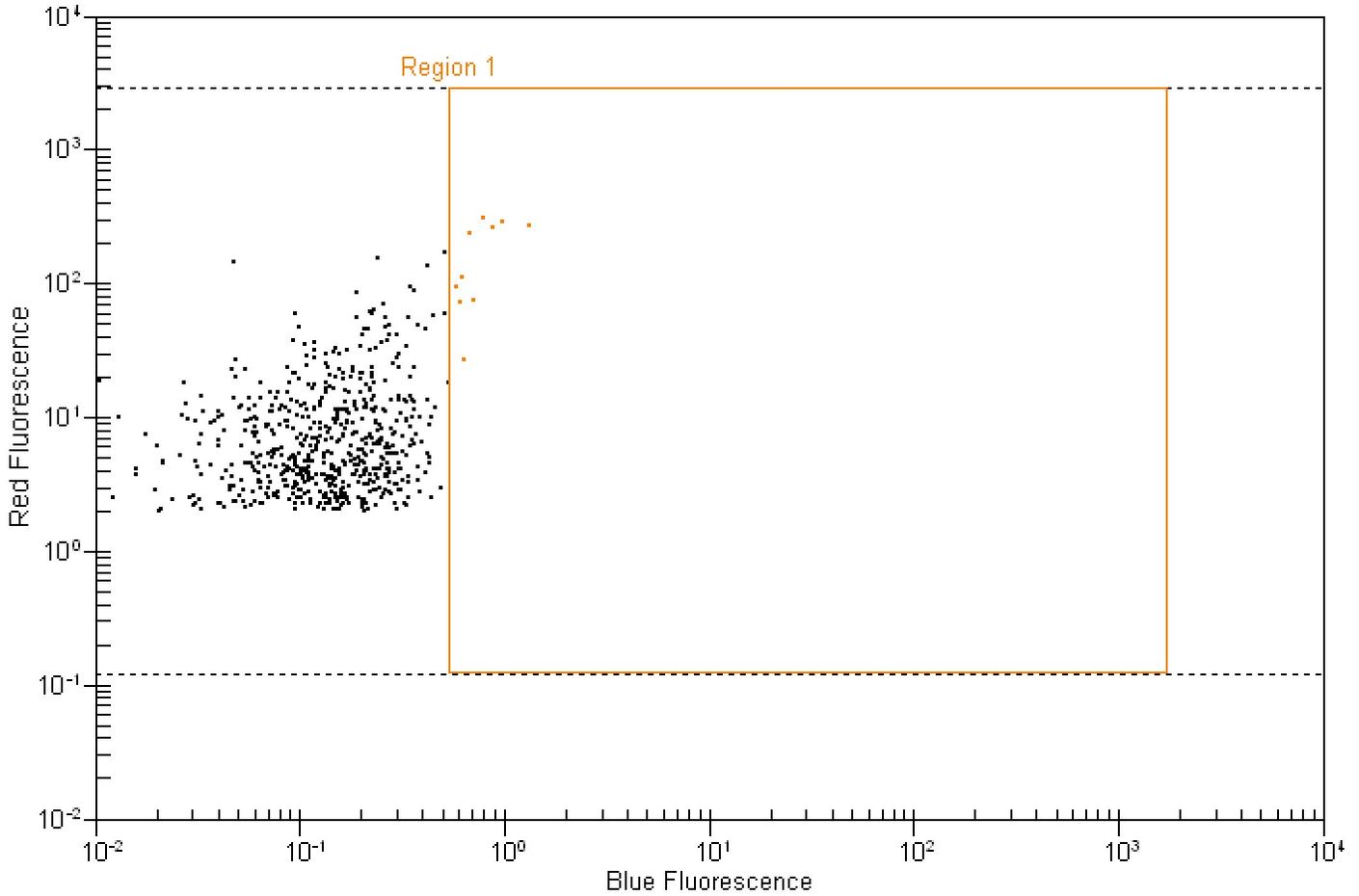
	<u>Delta3</u>										
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.15	12.07	689	100.00	N/A	0.12	32.62	78.31	270.18	0.11	6.51
Region 1	0.75	227.17	7	1.00	1.00	0.18	187.24	23.87	82.42	0.73	114.08

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Dot Plot Summary Continued ...

Delta5 plus cut Delta3



Dot plot statistics for sample 4 :

Delta5 plus cut Delta3

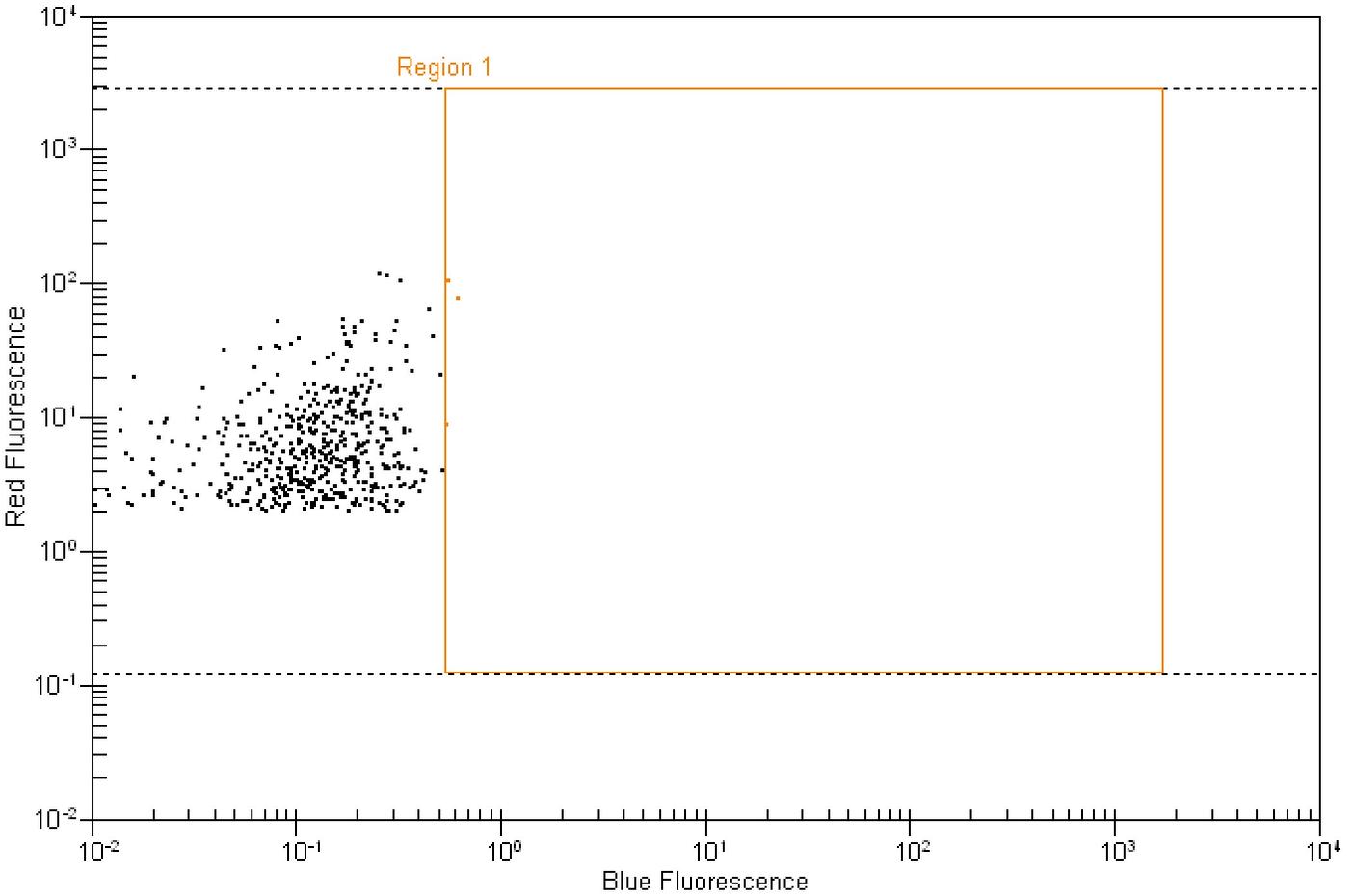
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.16	13.19	667	100.00	N/A	0.13	29.31	83.04	222.16	0.11	6.80
Region 1	0.79	174.49	10	1.50	1.50	0.22	102.24	28.05	58.59	0.76	136.73

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Dot Plot Summary Continued ...

Delta5 plus cut Delta3 under 30 sec UV



Dot plot statistics for sample 5 :

Delta5 plus cut Delta3 under 30 sec UV

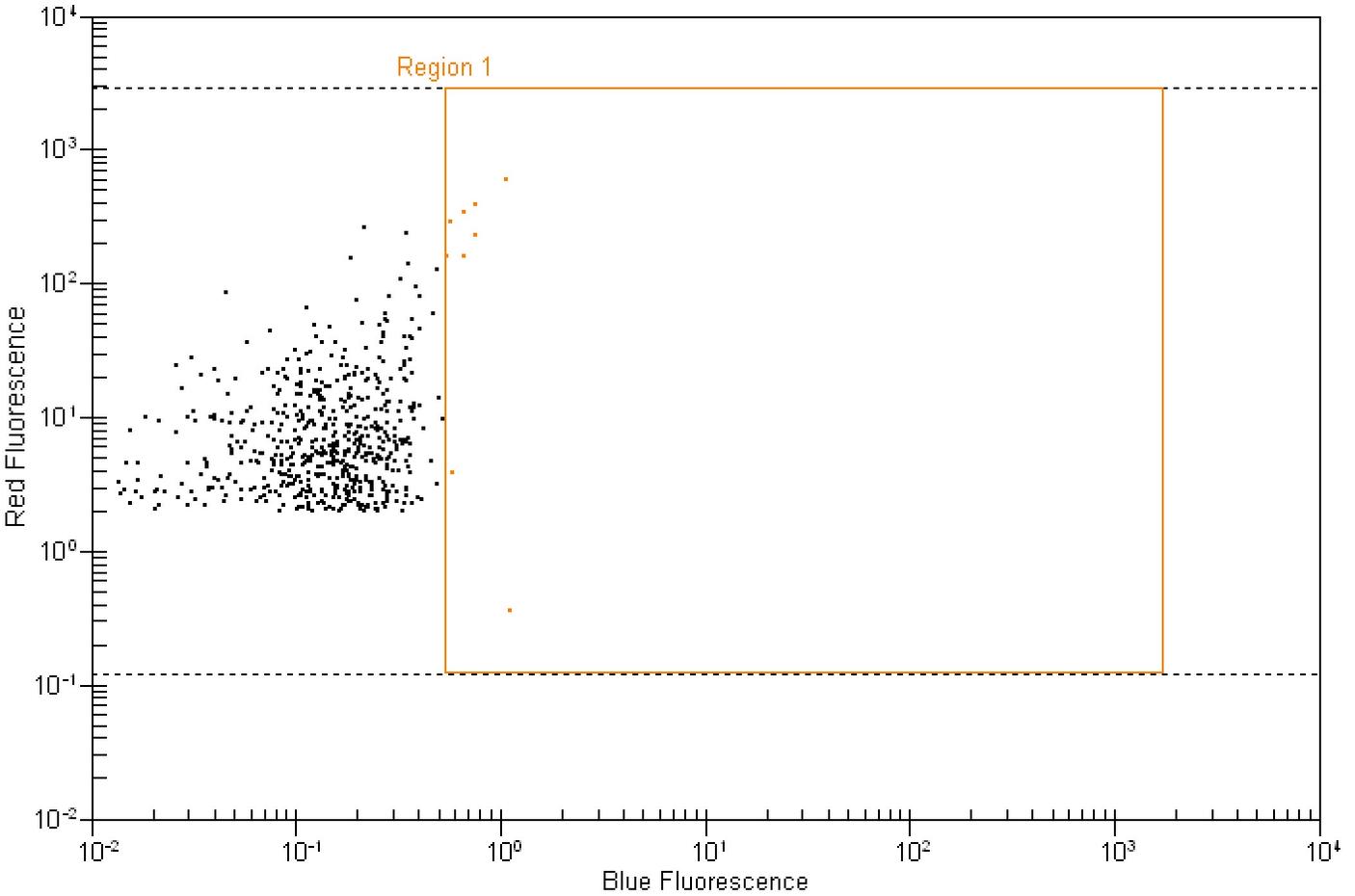
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.14	9.01	552	100.00	N/A	0.10	12.80	70.38	142.05	0.10	5.88
Region 1	0.58	63.26	3	0.50	0.50	0.03	39.91	5.85	63.09	0.58	41.38

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Dot Plot Summary Continued ...

EGFP



Dot plot statistics for sample 6 :

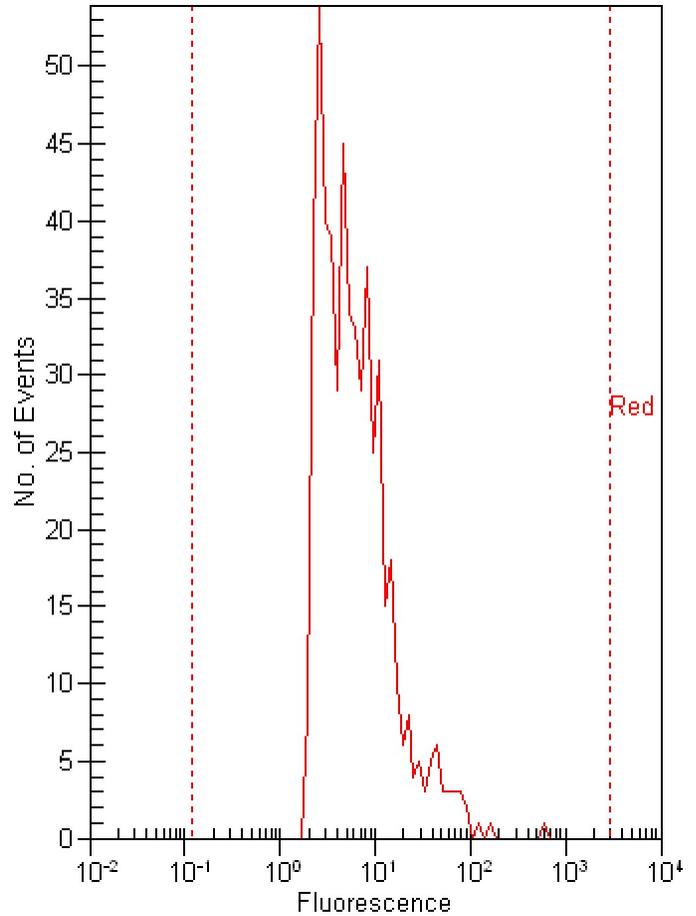
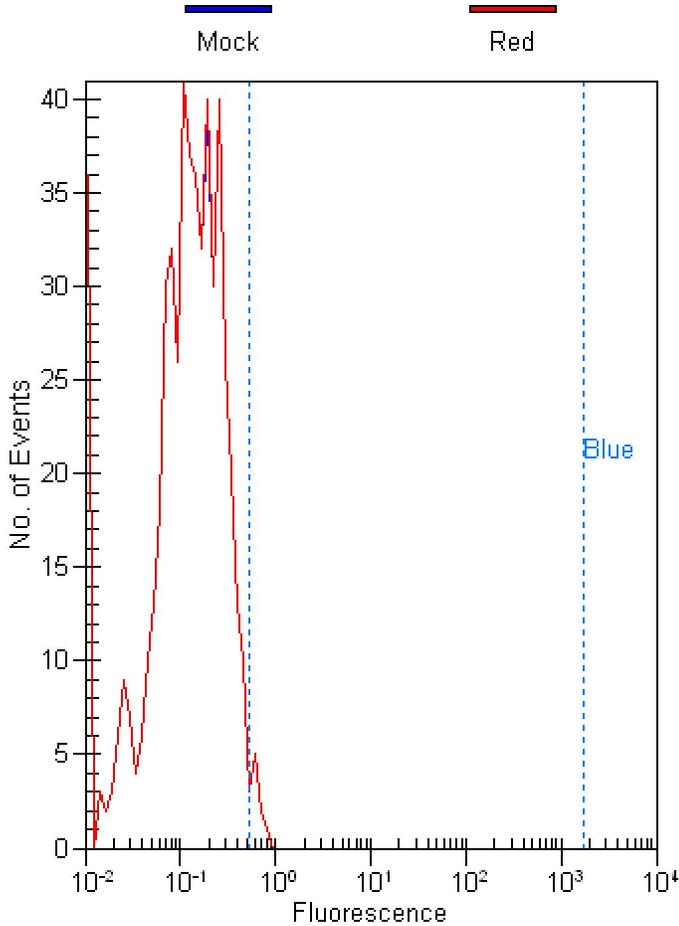
Region	XMean	YMean	#Events	EGFP		StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
				%Total	% of gated						
All Events	0.17	14.96	604	100.00	N/A	0.13	40.97	75.37	273.83	0.12	6.99
Region 1	0.75	240.91	9	1.50	1.50	0.20	177.93	26.37	73.85	0.73	83.03

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Histogram Summary

Mock



Histogram statistics for sample 1 :

Mock -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.79	541	100.00	N/A	0.16	0.12	77.92	0.11
Gated by Red	0.01	0.79	541	100.00	N/A	0.16	0.12	77.83	0.11
Blue on all events	0.54	1754.75	8	1.50	N/A	0.64	0.09	13.55	0.63
Blue on subset	0.54	1754.75	8	1.50	1.50	0.64	0.09	13.55	0.63

Histogram statistics for sample 1 :

Mock -

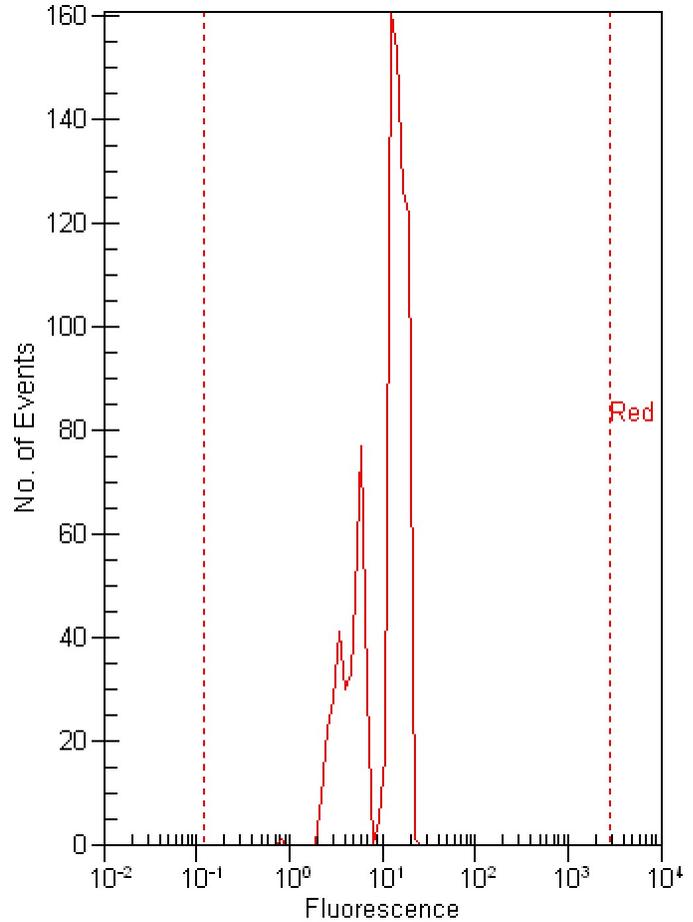
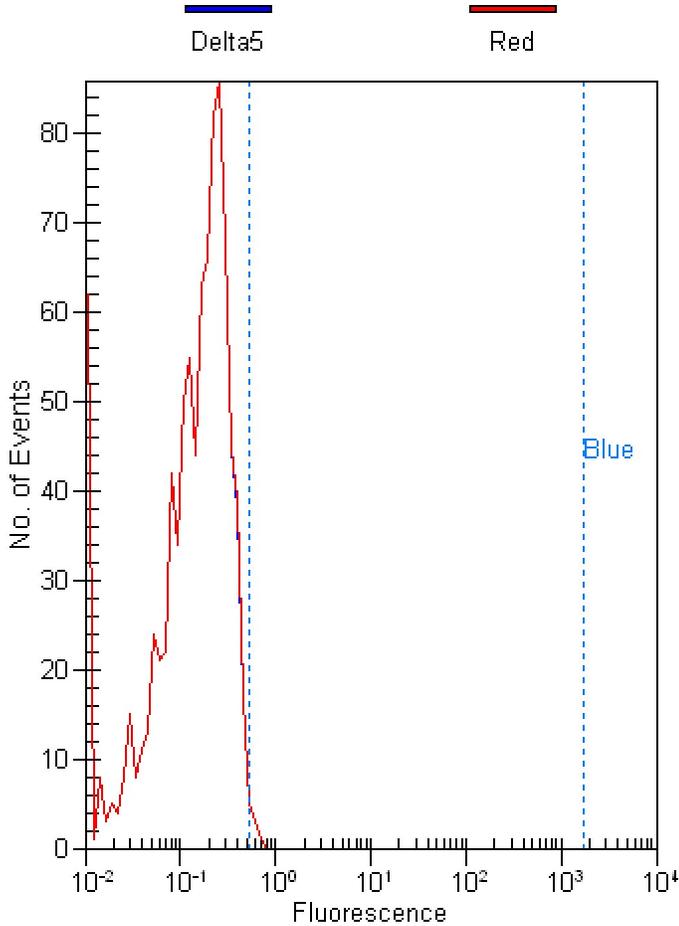
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.01	631.25	541	100.00	N/A	10.87	30.73	282.62	6.10
Red on all events	0.12	2865.12	541	100.00	N/A	10.87	30.70	282.49	6.11

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Histogram Summary Continued ...

Delta5



Histogram statistics for sample 2 :

Delta5 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.72	905	100.00	N/A	0.18	0.12	67.46	0.12
Gated by Red	0.01	0.72	905	100.00	N/A	0.18	0.12	67.44	0.12
Blue on all events	0.54	1754.75	4	0.40	N/A	0.62	0.06	9.46	0.62
Blue on subset	0.54	1754.75	4	0.40	0.40	0.62	0.06	9.46	0.62

Histogram statistics for sample 2 :

Delta5 -

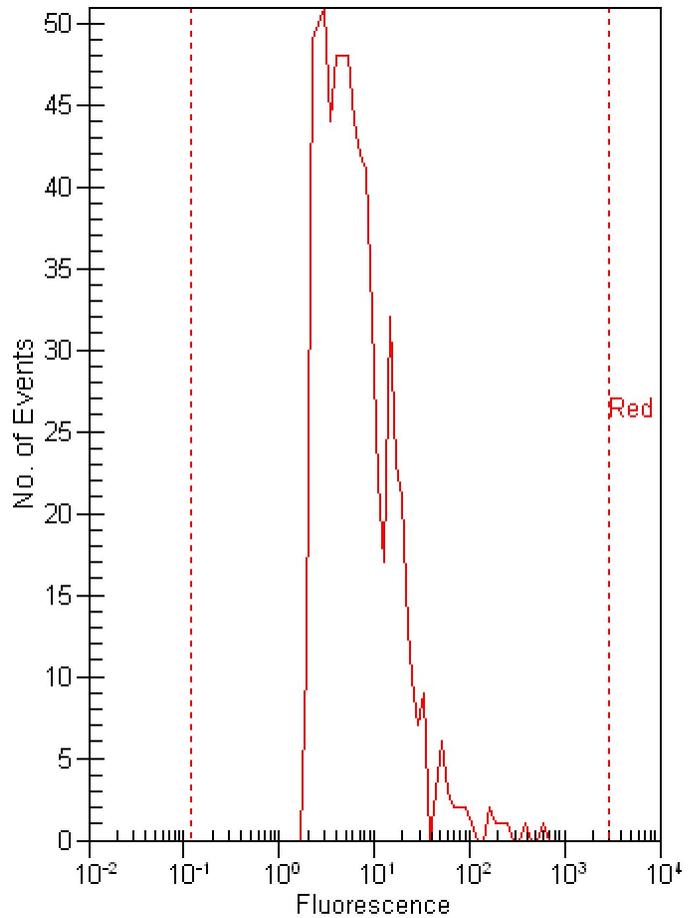
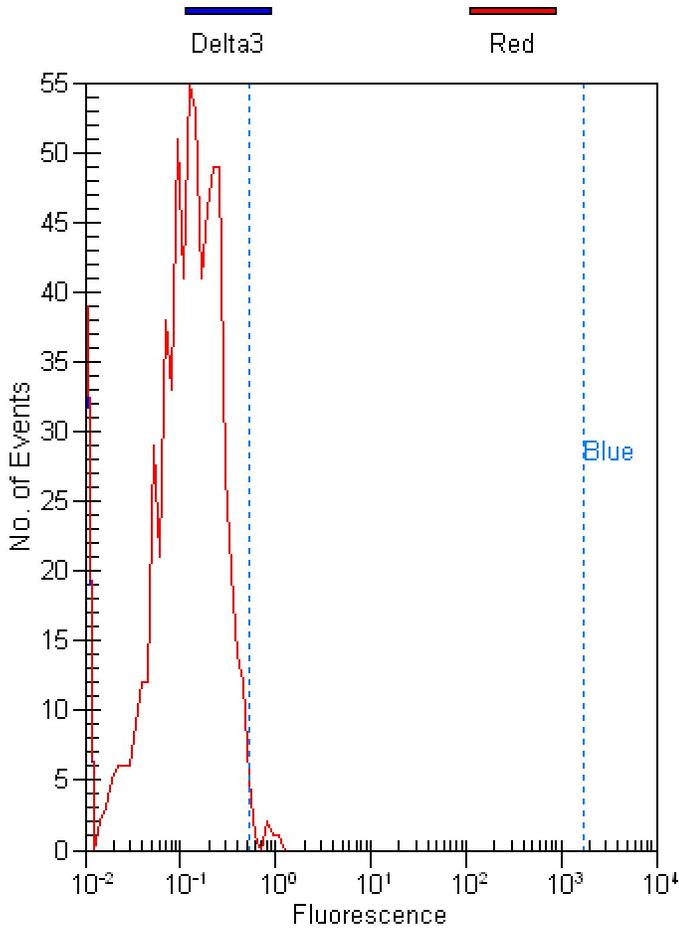
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.82	20.67	905	100.00	N/A	11.43	5.50	48.06	9.71
Red on all events	0.12	2865.12	905	100.00	N/A	11.44	5.49	48.03	9.71

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Histogram Summary Continued ...

Delta3



Histogram statistics for sample 3 :

Delta3 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	1.04	689	100.00	N/A	0.15	0.12	78.31	0.11
Gated by Red	0.01	1.04	689	100.00	N/A	0.15	0.12	78.44	0.11
Blue on all events	0.54	1754.75	7	1.00	N/A	0.75	0.18	23.87	0.73
Blue on subset	0.54	1754.75	7	1.00	1.00	0.75	0.18	23.87	0.73

Histogram statistics for sample 3 :

Delta3 -

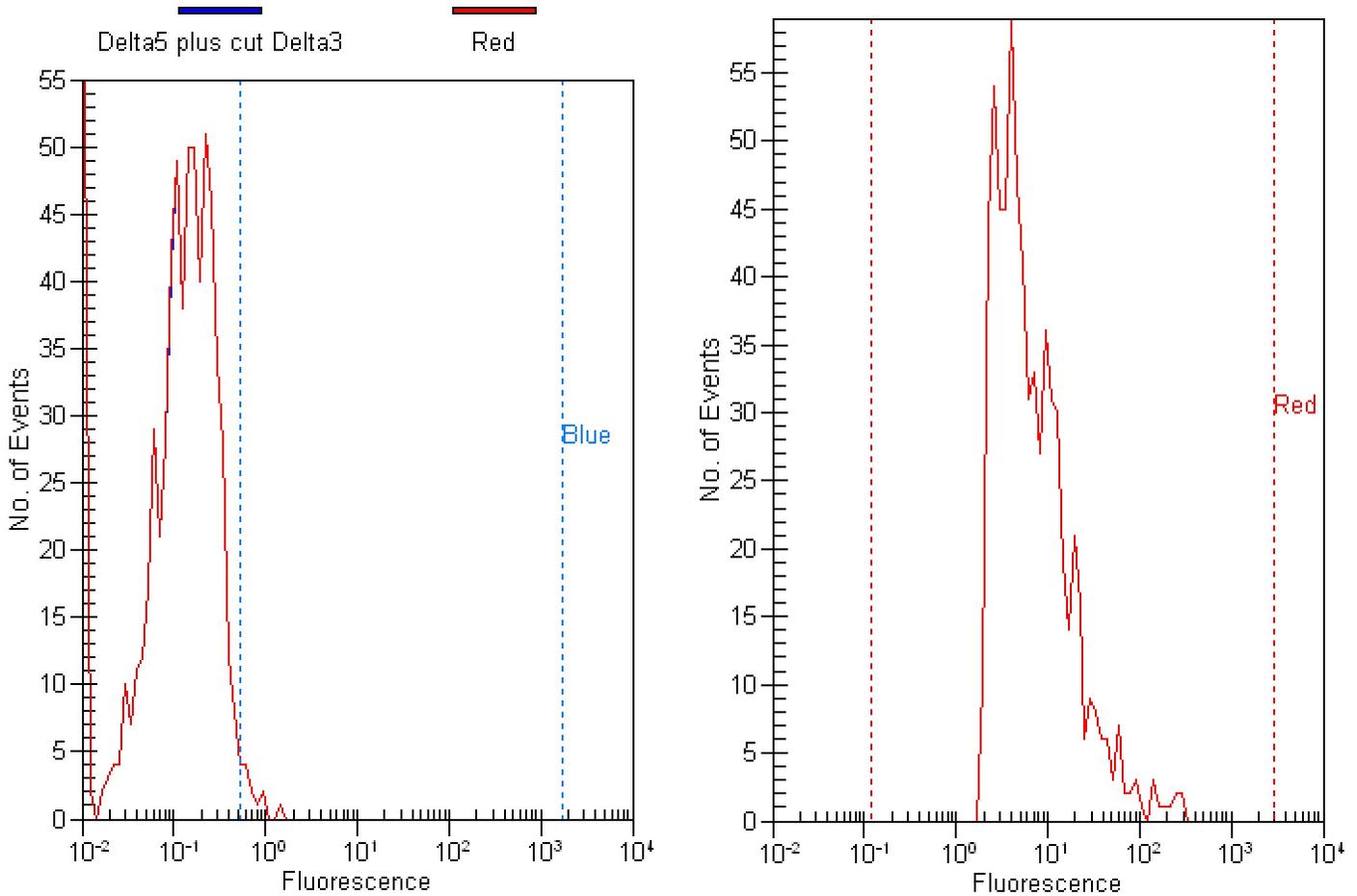
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.00	583.43	689	100.00	N/A	12.07	32.62	270.18	6.51
Red on all events	0.12	2865.12	689	100.00	N/A	12.06	32.60	270.29	6.51

Assay Class: Red to Blue
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Histogram Summary Continued ...

Delta5 plus cut Delta3



Histogram statistics for sample 4 :

Delta5 plus cut Delta3 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	1.34	667	100.00	N/A	0.16	0.13	83.04	0.11
Gated by Red	0.01	1.34	667	100.00	N/A	0.16	0.13	83.04	0.11
Blue on all events	0.54	1754.75	10	1.50	N/A	0.79	0.22	28.05	0.76
Blue on subset	0.54	1754.75	10	1.50	1.50	0.79	0.22	28.05	0.76

Histogram statistics for sample 4 :

Delta5 plus cut Delta3 -

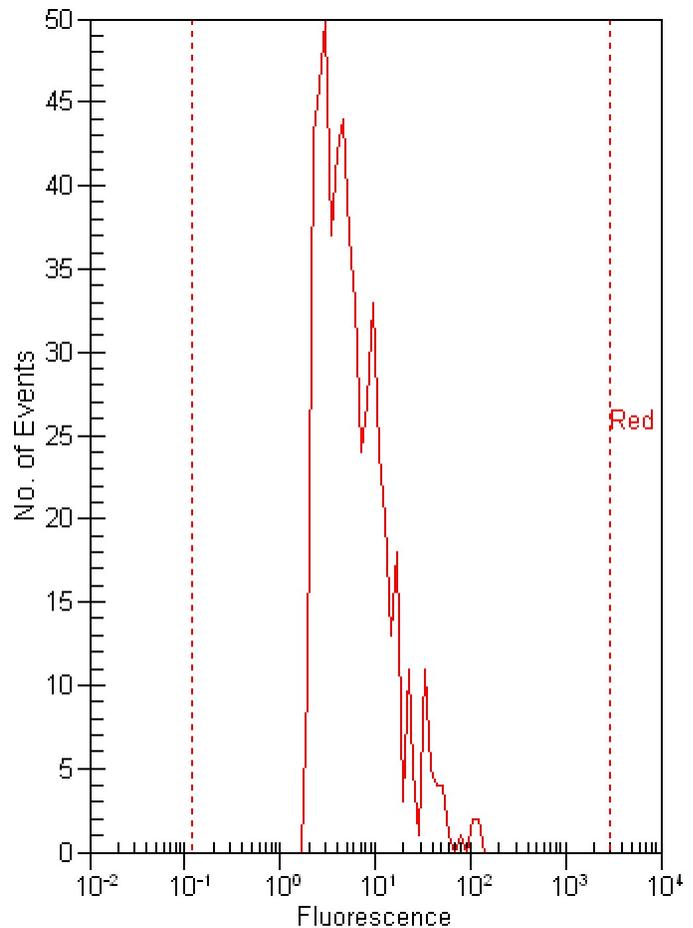
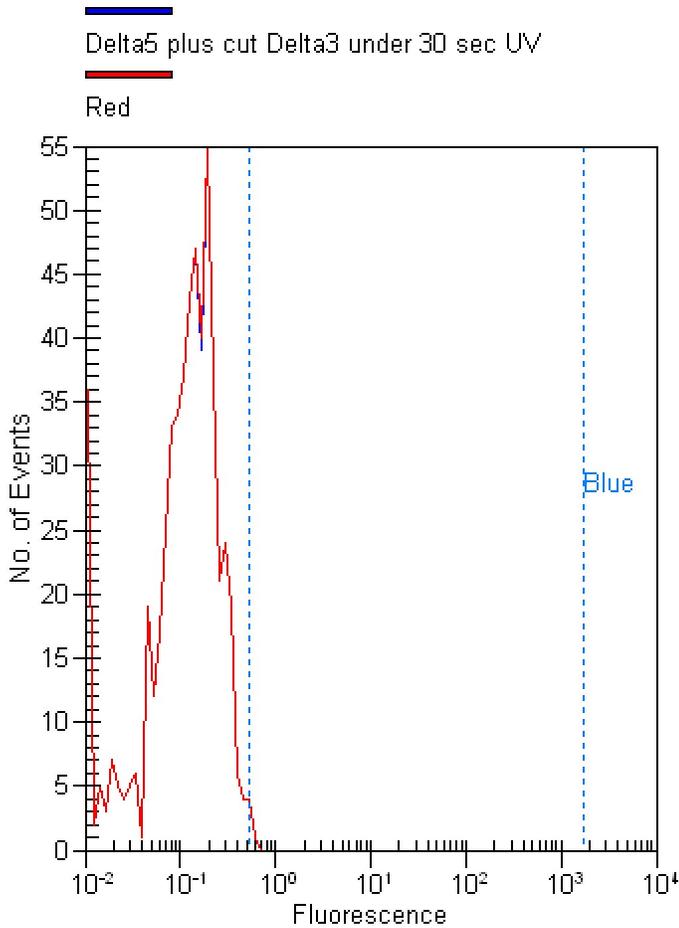
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	1.97	309.16	667	100.00	N/A	13.19	29.31	222.16	6.80
Red on all events	0.12	2865.12	667	100.00	N/A	13.18	29.29	222.27	6.79

Assay Class: Red to Blue
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Histogram Summary Continued ...

Delta5 plus cut Delta3 under 30 sec UV



Histogram statistics for sample 5 :

Delta5 plus cut Delta3 under 30 sec UV -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.62	552	100.00	N/A	0.14	0.10	70.38	0.10
Gated by Red	0.01	0.62	552	100.00	N/A	0.14	0.10	70.30	0.10
Blue on all events	0.54	1754.75	3	0.50	N/A	0.58	0.03	5.85	0.58
Blue on subset	0.54	1754.75	3	0.50	0.50	0.58	0.03	5.85	0.58

Histogram statistics for sample 5 :

Delta5 plus cut Delta3 under 30 sec UV -

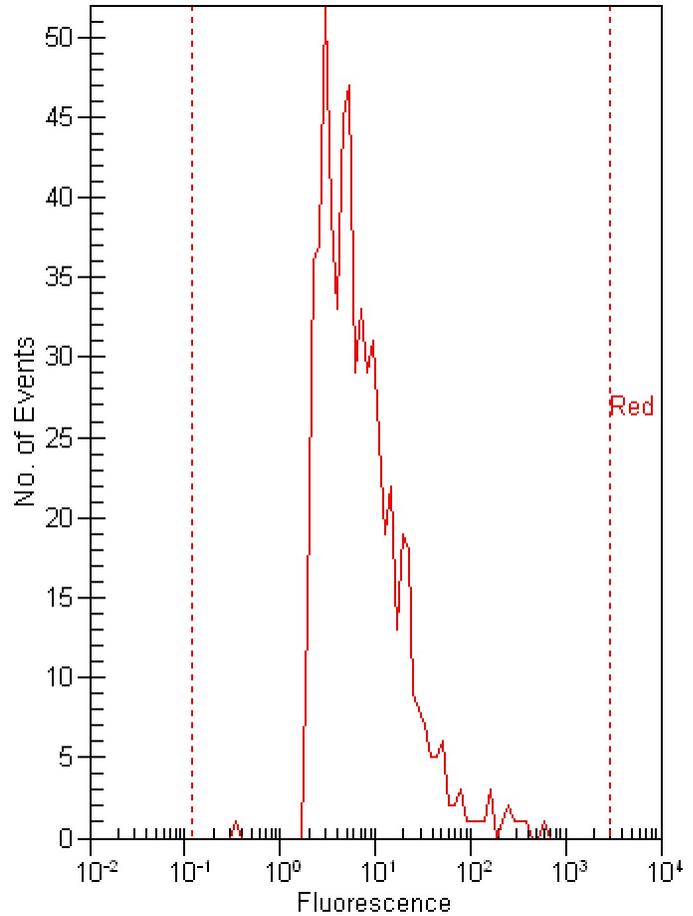
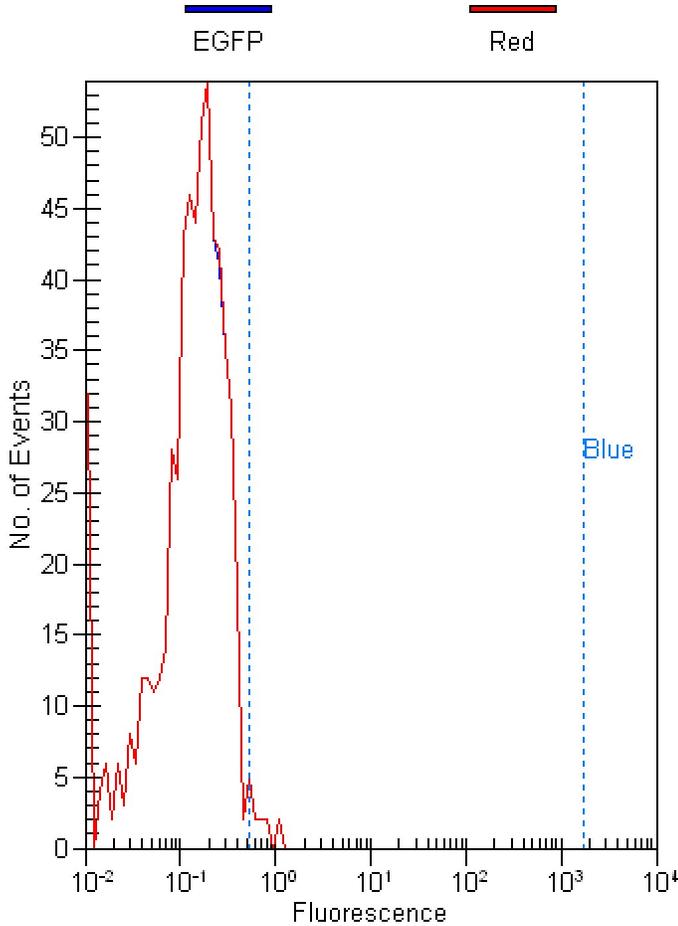
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	1.96	120.30	552	100.00	N/A	9.01	12.80	142.05	5.88
Red on all events	0.12	2865.12	552	100.00	N/A	9.01	12.79	142.02	5.88

Assay Class: Red to Blue
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Histogram Summary Continued ...

EGFP



Histogram statistics for sample 6 :

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
			EGFP -						
All Events	0.01	1.12	604	100.00	N/A	0.17	0.13	75.37	0.12
Gated by Red	0.01	1.12	604	100.00	N/A	0.17	0.13	75.27	0.12
Blue on all events	0.54	1754.75	9	1.50	N/A	0.75	0.20	26.37	0.73
Blue on subset	0.54	1754.75	9	1.50	1.50	0.75	0.20	26.37	0.73

Histogram statistics for sample 6 :

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
			EGFP -						
All Events	0.36	591.65	604	100.00	N/A	14.96	40.97	273.83	6.99
Red on all events	0.12	2865.12	604	100.00	N/A	14.95	40.94	273.89	6.99

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Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 6)		Instrument	Run		10/7/2010 6:23:17 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2010-10-07\2100 expert_Red to Blue_DE72905360_2010-10-07_17-56-52.xad)		Instrument	Run		10/7/2010 5:56:57 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Product Number : G2938C		Instrument	Run		10/7/2010 5:56:57 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		10/7/2010 5:56:57 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		10/7/2010 5:56:57 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Serial# : DE72905360		Instrument	Run		10/7/2010 5:56:57 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		10/7/2010 5:56:57 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Cartridge : Pressure		Instrument	Run		10/7/2010 5:56:57 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01