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1 MFI (Median Fluorescence Intensity) ver. 3.4kb8 (c) 1992-95 by Eric Martz.
2 .....
3 DISCLAIMER: By the act of using this free and unsupported program, you
4 accept full responsibility for verifying its accuracy and suitability for
5 your purposes. No warranty is made nor implied. Verification methods are
6 outlined in the on-line help.
7     FOR NON-CLINICAL RESEARCH USE ONLY; NOT FOR CLINICAL USE
8 .....
9
10 8 input files: GDD49001 ... GDD49015
11 Ungated.
12
13 Peaks detected when excursion 5% using 32-channel histograms.
14
15 Abbreviations: Md = median, Sp = spew = mean/median.
16 H/T = high/total, R/T = right/total (ratios of events in High [top] or Right
17 half of gate to Total events in gate).
18 'par 5-8:' labels the lines containing results for the 5th-8th parameters.
19 FACStar only: +/- after gains indicates fine gain on/off (e.g. FSC-H=2-).
20     FL2, FL3 in data files, histo's/med'ns not shown.
21
22 Run 2: Titration of TS1/18 Ascites on JY1 Cells
23 In-
24 gate R/T H/T FSC Md (Sp) SSC Md (Sp) FL1 Md (Sp)
25
26 KMESF = (FL1) (1.57)
27 FACScan: FSC(1024)=E00,491 SSC(1024)=283,100 FL1(1024)=476,LOG
28 5000 events acquired with threshold FSC=52 on 14-JAN-93
29 System: H.P. PASCAL version 3.1 FACScan Research Software 2/88
30
31 GDD49001: 20 sec from 18:44:20, 250 events/sec:
32 #LABEL: FITC Standard Beads #3, 212 KMESF
33 100% 274 (1.05) 232 (0.90) 543 (0.98)
34 Linear medians: 132
35 KMESF=207
36 SSC has 2 peaks:
37 19% of events, peak median 12 (valley = channel 96)
38 81% of events, peak median 240 (valley = channel 1023)
39 FL1 caution: 18% of events are in 1st occupied channel, 0.
40 FL1 has 2 peaks:
41 94% of events, peak median 542 (KMESF 206 , valley = channel 581)
42 6% of events, peak median 617 (KMESF 404 , valley = channel 1023)
43
44 GATE CHANGED TO Active Gate: #1 "JY Cells",
45 FSC = 169-374, SSC = 154-409
46 KMESF = (FL1) (1.57)

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47 ***** CHANGE IN ONE OR MORE PARAMETERS *****
48 FACScan: FSC(1024)=E-1,682  SSC(1024)=307,100  FL1(1024)=476,LOG
49 5000 events acquired with threshold FSC=52 on 14-JAN-93
50 System: H.P. PASCAL version 3.1 FACScan Research Software 2/88
51
52 GDD49002: 18 sec from 18:47:10, 277 events/sec:
53 #LABEL: JY1 cells only
54 62% 0.42 0.44 263 (1.01) 267 (1.02) 124 (1.06)
55 Linear medians: 3.05
56 KMESF=4.79
57
58
59 Control file set to GDD49004.
60
61 GDD49004: 17 sec from 18:49:10, 294 events/sec:
62 #LABEL: 2nd Ab only on JY1, A437 GAMG
63 62% 0.42 0.44 265 (1.01) 267 (1.03) 129 (1.07)
64 Linear medians: 3.19
65 KMESF=5.01
66 LinMd - control: KMESF 0.00
67
68
69 GDD49011: 17 sec from 18:55:14, 294 events/sec:
70 #LABEL: TS1/18 Ascites 1/300 0.333%
71 56% 0.44 0.42 267 (1.01) 264 (1.03) 542 (1.01)
72 Linear medians: 131
73 KMESF=206
74 LinMd - control: KMESF 201
75
76
77 GDD49012: 17 sec from 18:56:06, 294 events/sec:
78 #LABEL: TS1/18 Ascites 1/900 0.111%
79 57% 0.45 0.42 267 (1.01) 264 (1.02) 534 (1.01)
80 Linear medians: 122
81 KMESF=191
82 LinMd - control: KMESF 186
83
84
85 GDD49013: 17 sec from 18:56:52, 294 events/sec:
86 #LABEL: TS1/18 Ascites 1/2700 0.0370%
87 58% 0.44 0.41 267 (1.00) 264 (1.02) 503 (1.02)
88 Linear medians: 92.2
89 KMESF=145
90 LinMd - control: KMESF 140
91
92 GDD49014: 18 sec from 18:57:45, 277 events/sec:
93 #LABEL: TS1/18 Ascites 1/8100 0.00123%
94 59% 0.45 0.41 267 (1.01) 262 (1.03) 441 (1.01)
95 Linear medians: 52.8
96 KMESF=82.9
97 LinMd - control: KMESF 77.9

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98
99 GDD49015: 15 sec from 18:58:29, 333 events/sec:
100 #LABEL: TS1/18 Ascites 1/24300 0.00411%
101 59% 0.45 0.43 267 (1.01) 265 (1.03) 358 (1.02)
102 Linear medians: 25.0
103 KMESF=39.3
104 LinMd - control: KMESF 34.3
105 -----
106 NOTE: SUMMARY BELOW IS FROM A DIFFERENT RUN FOR FILES 11-15 ONLY (NO BEADS).
107 (This line and the previous line are not output from MFI.)
108 -----
109 In-
110 gate R/T H/T FSC Md (Sp) SSC Md (Sp) FL1 Md (Sp)
111 HIGH VALUES: (excluding control-corrected values)
112 62.1% 0.45 0.44 267 (1.01) 267 (1.03) 542 (1.07)
113 Linear medians: 131
114 KMESF=206
115 In gate 1:62.1%
116 LOW VALUES: (excluding control-corrected values)
117 56.1% 0.42 0.41 263 (1.00) 262 (1.02) 124 (1.01)
118 Linear medians: 3.05
119 KMESF=4.79
120 In gate 1:56.1%
121 File range began at 18:47 and ended 0 hours and 11 minutes later.

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