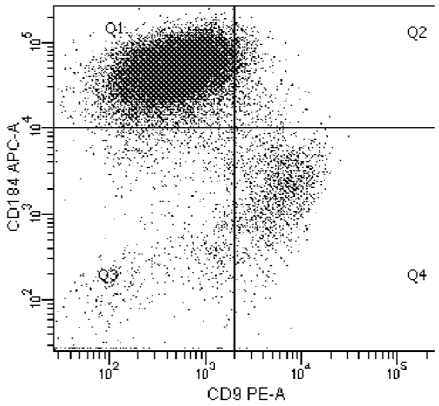
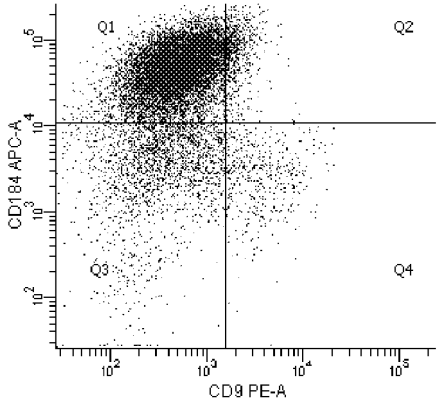
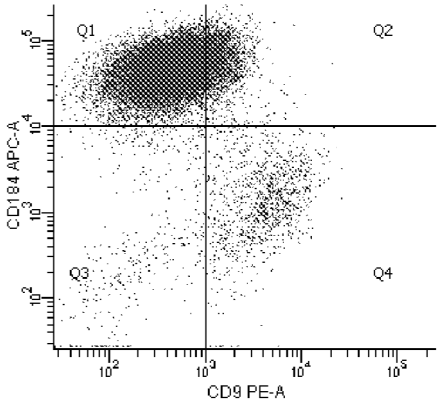
Figure 1



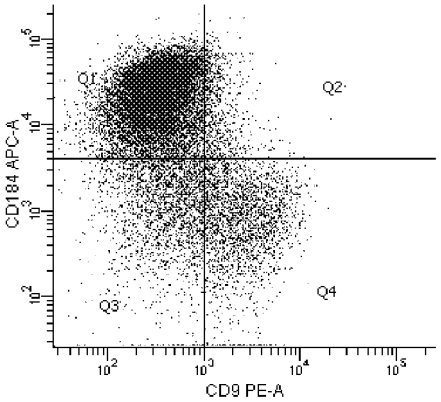
MCDB (cluster)



RPMI (cluster)



MCDB (single cell)



RPMI (single cell)

	CXCR4	CD9	CD99
MCDB (cluster)	88.6	10.1	21.7
RPMI (cluster)	81.8	8.8	30.5
MCDB (single cell)	92.3	6.7	62.2
RPMI (single cell)	72.4	12.7	43.1

Figure 2

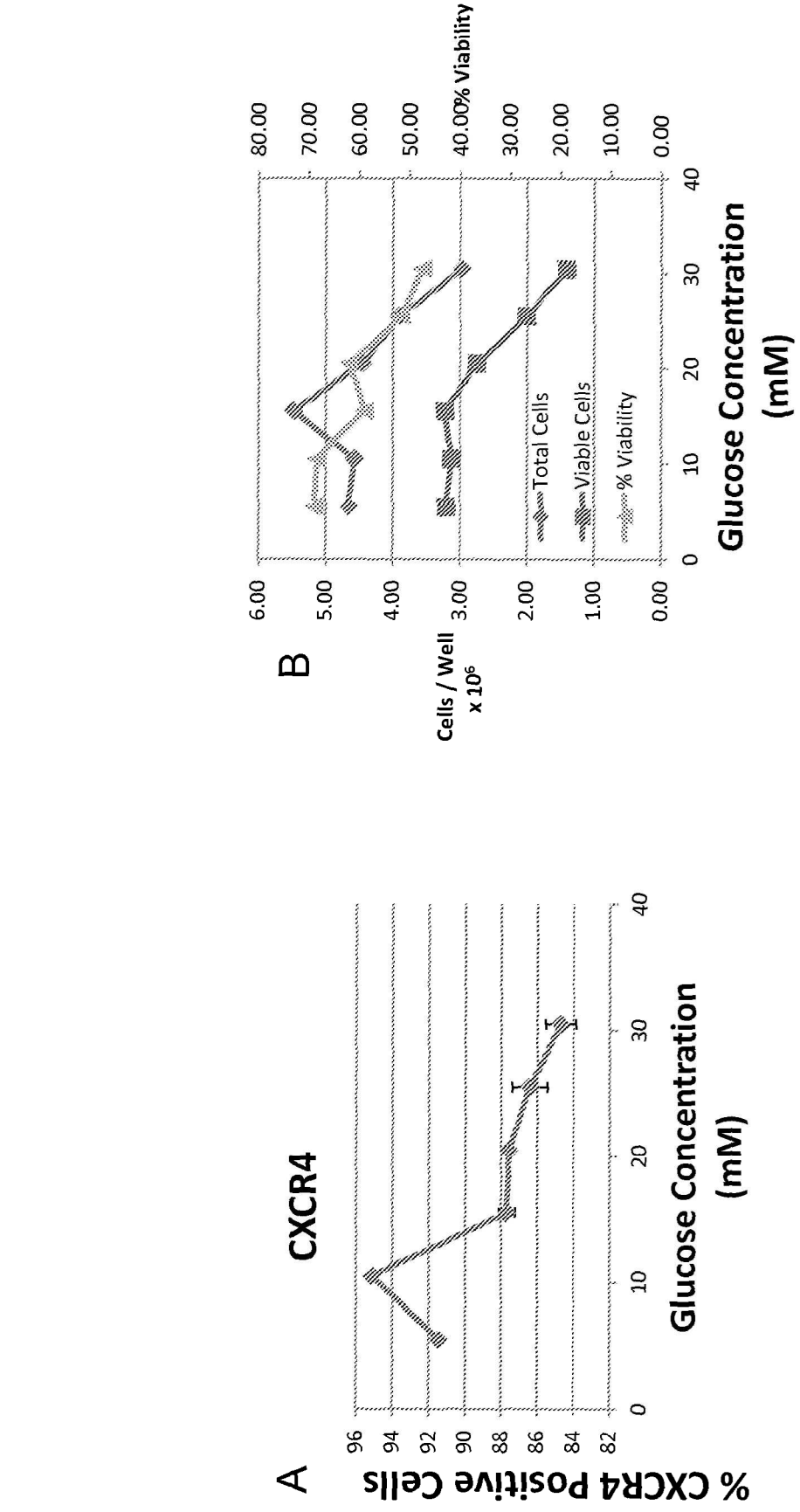

A
CXCR4
% CXCR4 Positive Cells
96
94
92
90
88
86
84
82
0
10
20
30
40
Glucose Concentration
(mM)
B
Cells / Well
x 10⁶
6.00
5.00
4.00
3.00
2.00
1.00
0.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
% Viability
Total Cells
Viable Cells
% Viability
0
10
20
30
40
Glucose Concentration
(mM)

Figure 3

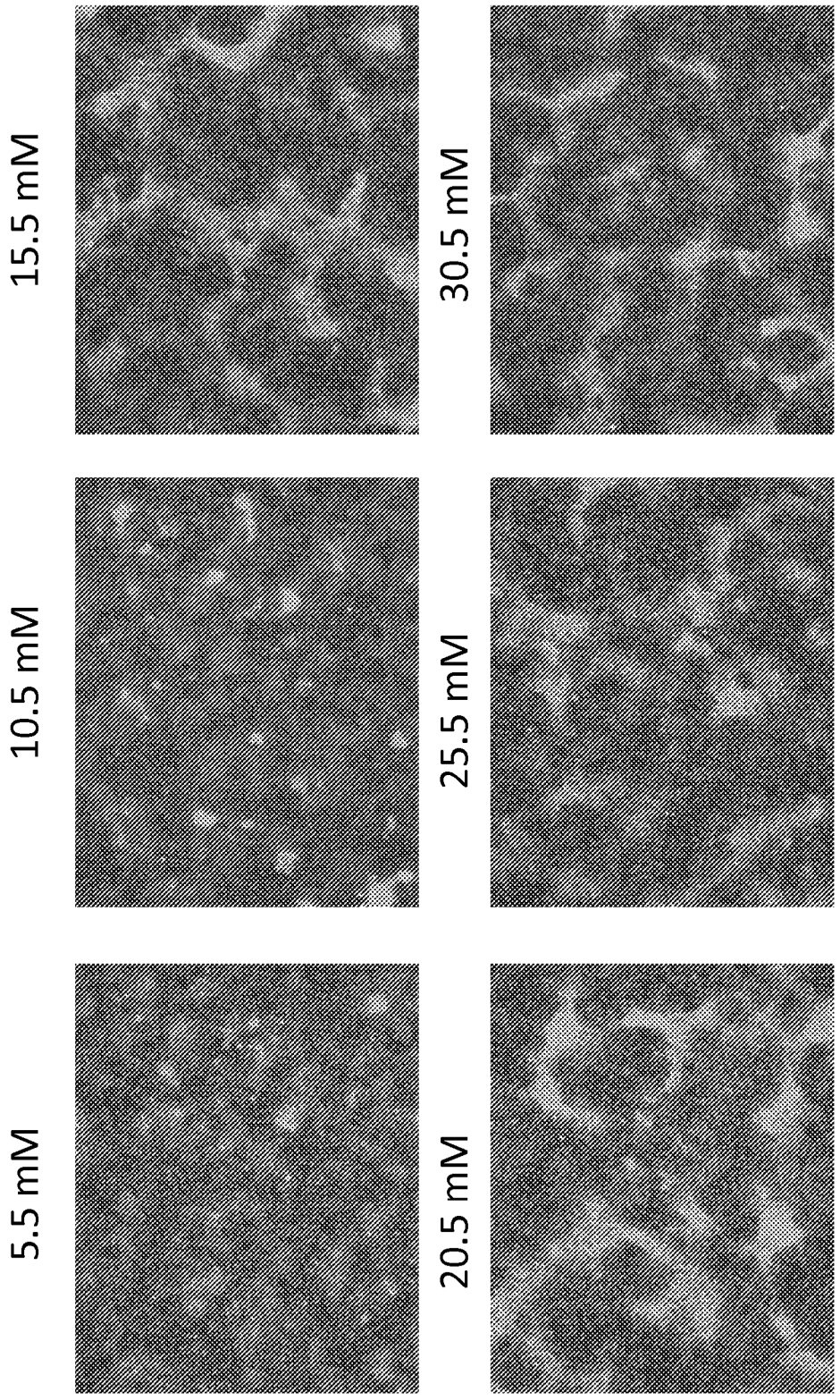


Figure 3

B

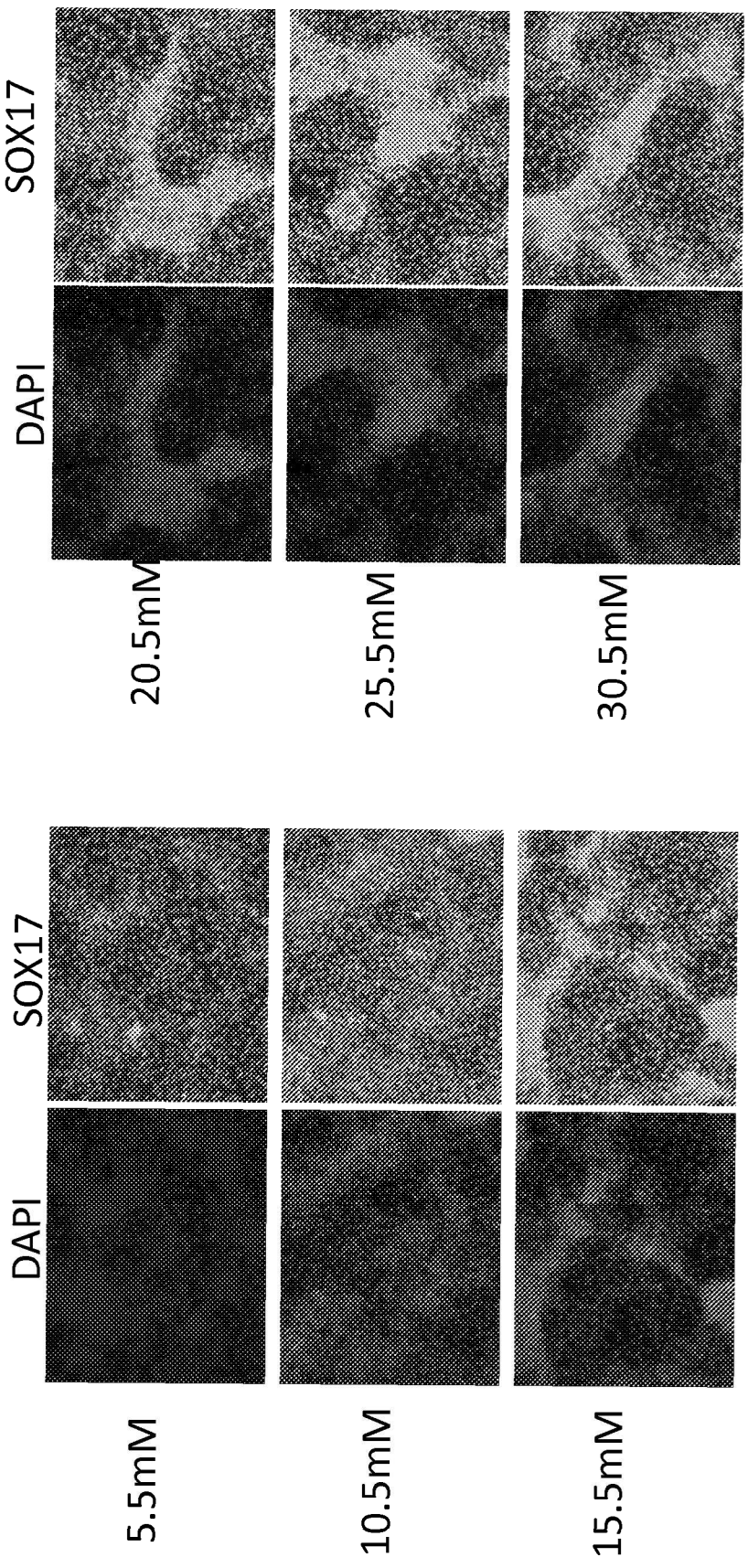


Figure 4

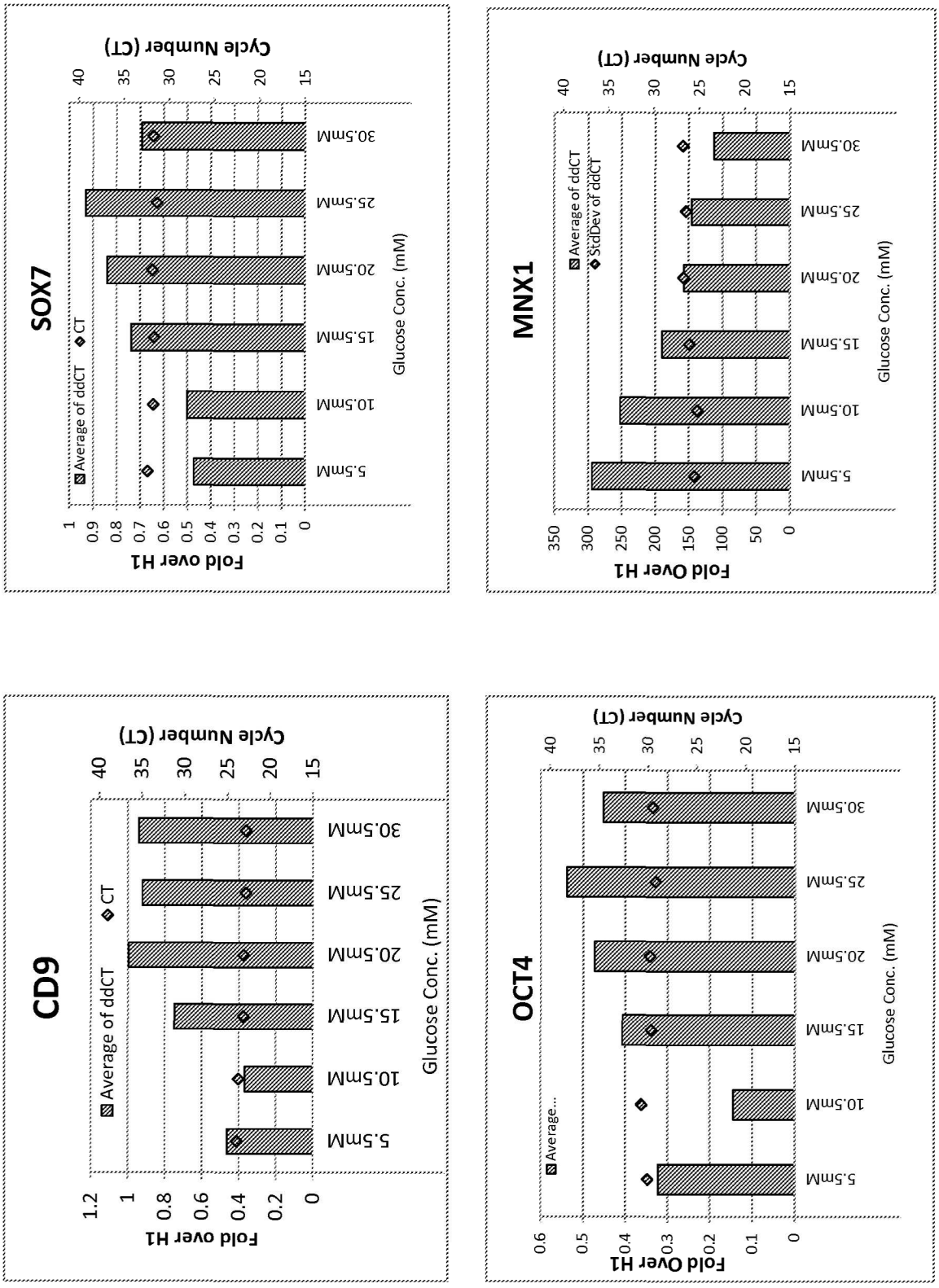

SOX7
Fold over H1
Cycle Number (CT)
Glucose Conc. (mM)
Average of ddCT
CT
5.5mM
10.5mM
15.5mM
20.5mM
25.5mM
30.5mM
MNX1
Fold Over H1
Cycle Number (CT)
Glucose Conc. (mM)
Average of ddCT
StdDev of ddCT
CD9
Fold over H1
Cycle Number (CT)
Glucose Conc. (mM)
Average of ddCT
CT
OCT4
Fold Over H1
Cycle Number (CT)
Glucose Conc. (mM)
Average...

Figure 5

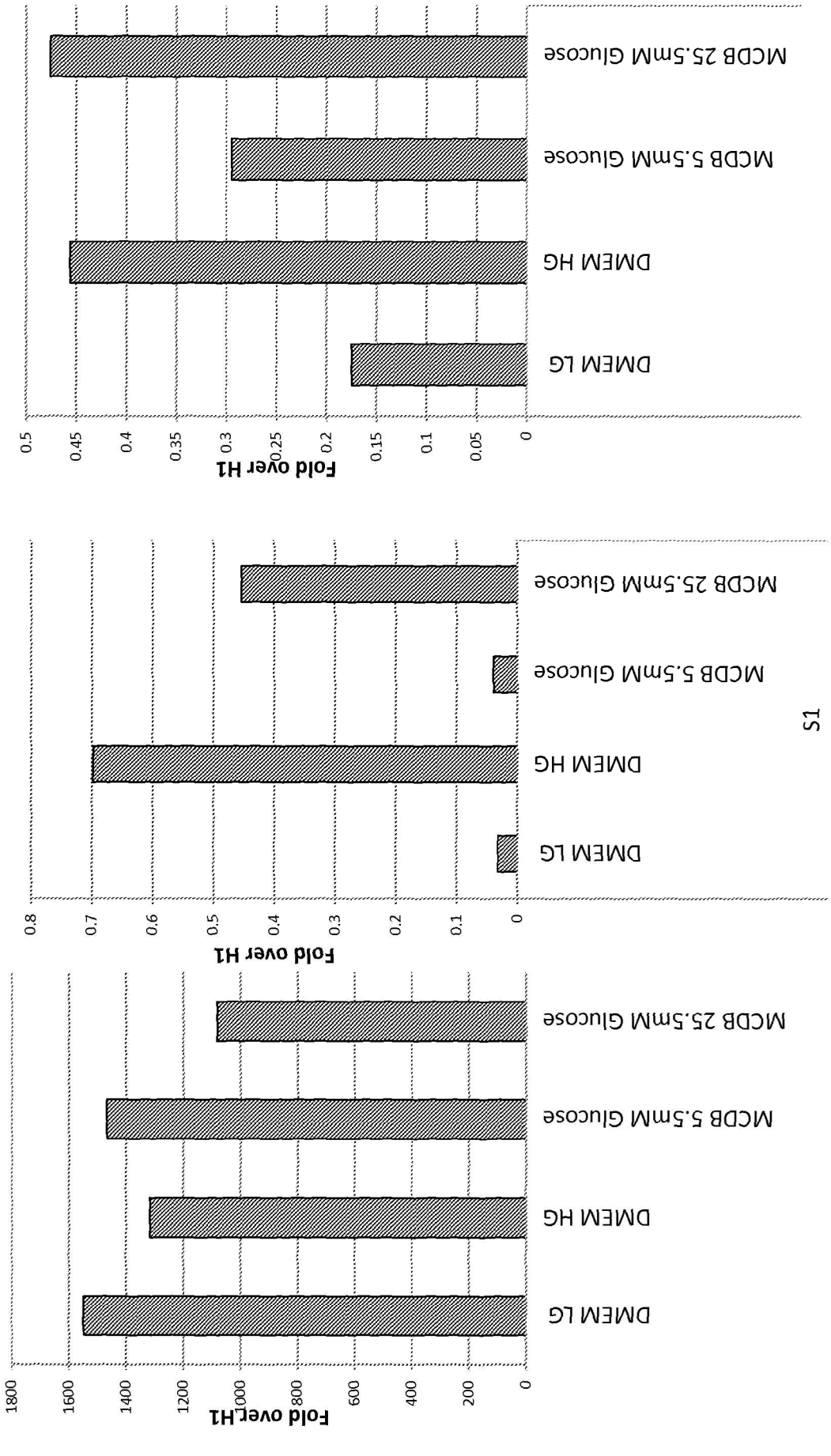

SOX17
CDX2
OCT4
Fold over H1
0
200
400
600
800
1000
1200
1400
1600
1800
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.05
0.15
0.25
0.35
0.45
DMEM LG
DMEM HG
MCDB 5.5mM Glucose
MCDB 25.5mM Glucose
S1

Figure 6

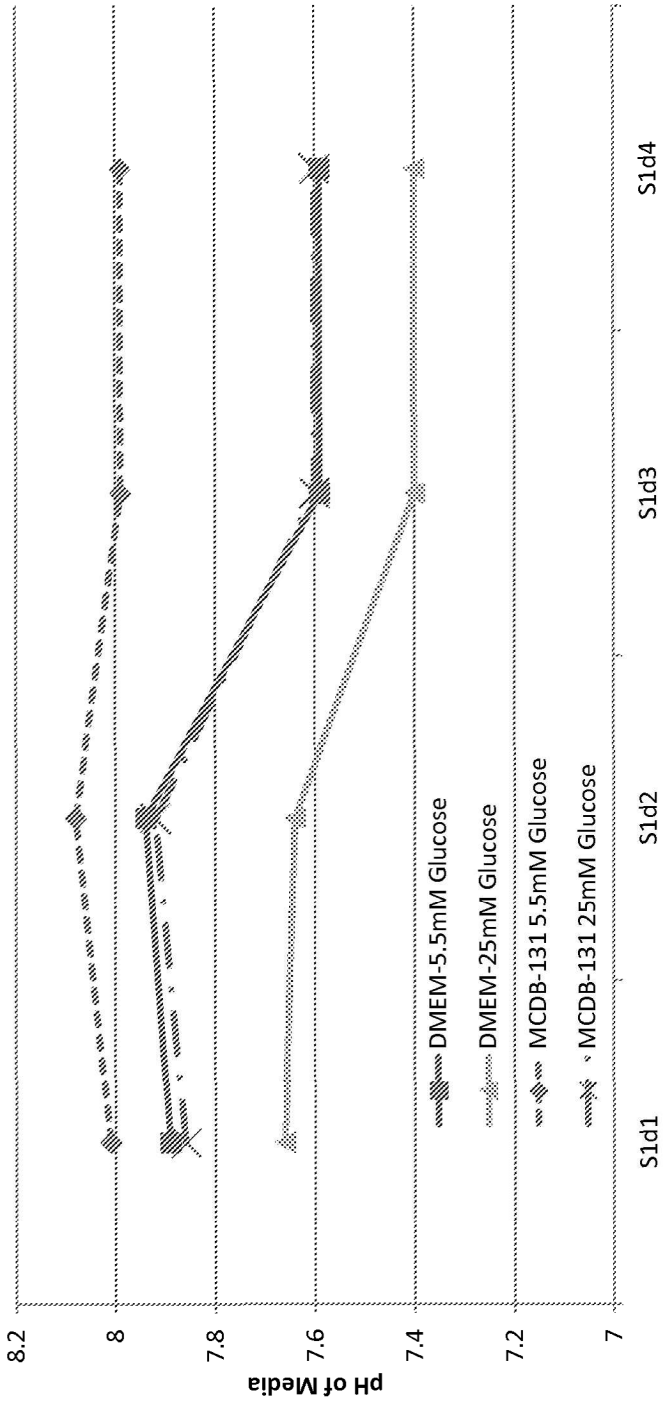
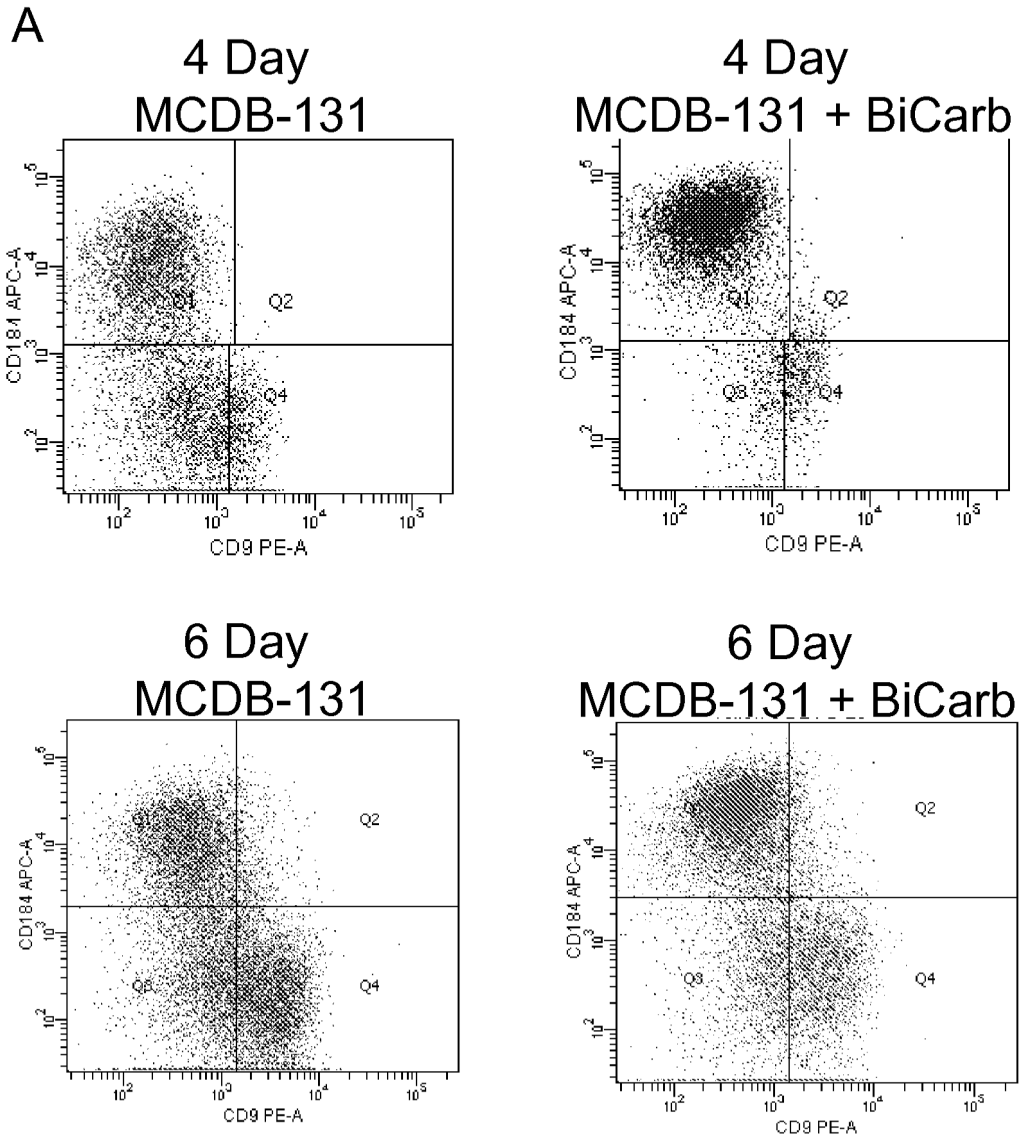

8.2
8
7.8
7.6
7.4
7.2
7
pH of Media
S1d1
S1d2
S1d3
S1d4
DMEM-5.5mM Glucose
DMEM-25mM Glucose
MCDB-131 5.5mM Glucose
MCDB-131 25mM Glucose

Figure 7

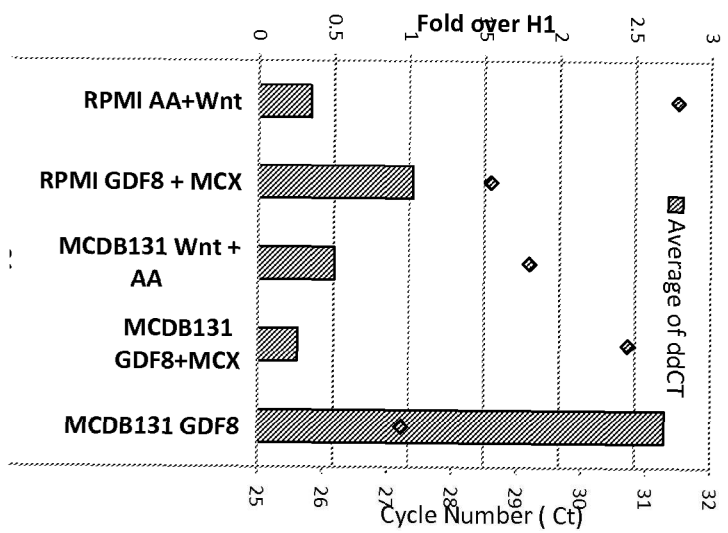
A

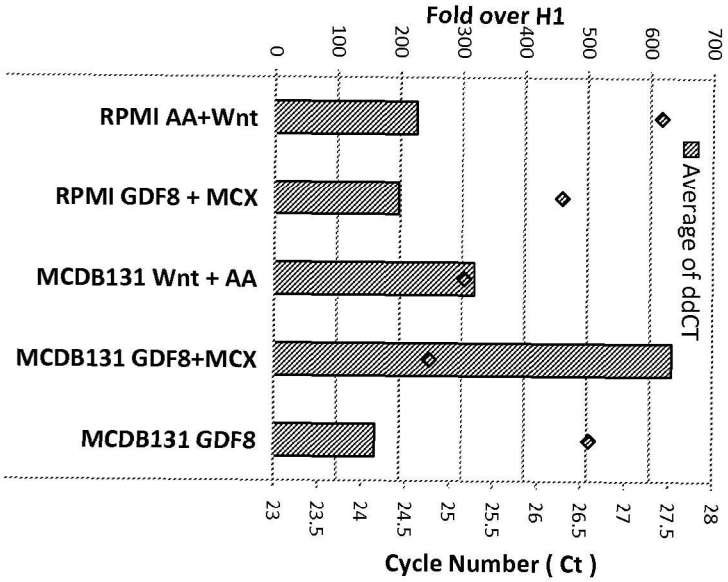


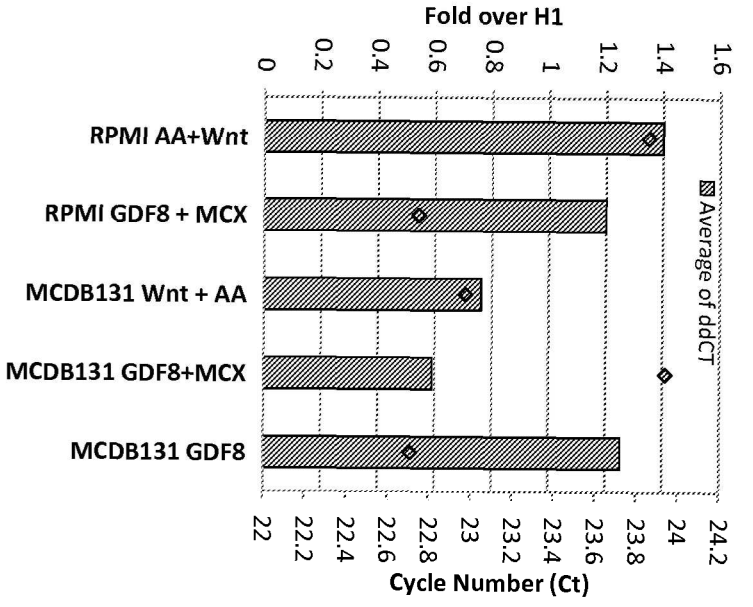
B

% CXCR4/CD9 Pos	MCDB-131	MCDB-131 + BiCarb
4 Day	46.2/21.9	86.8/11.7
6 Day	35.6/43.8	62/26.2

Figure 8


OCT4
Fold over H1
0
0.5
1
1.5
2
2.5
3
RPMI AA+Wnt
RPMI GDF8 + MCX
MCDB131 Wnt + AA
MCDB131 GDF8+MCX
MCDB131 GDF8
Average of ddCT
25
26
27
28
29
30
31
32
Cycle Number (Ct)


MNX1
Fold over H1
0
100
200
300
400
500
600
700
RPMI AA+Wnt
RPMI GDF8 + MCX
MCDB131 Wnt + AA
MCDB131 GDF8+MCX
MCDB131 GDF8
Average of ddCT
23
23.5
24
24.5
25
25.5
26
26.5
27
27.5
28
Cycle Number (Ct)


CD9
Fold over H1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
RPMI AA+Wnt
RPMI GDF8 + MCX
MCDB131 Wnt + AA
MCDB131 GDF8+MCX
MCDB131 GDF8
Average of ddCT
22
22.2
22.4
22.6
22.8
23
23.2
23.4
23.6
23.8
24
24.2
Cycle Number (Ct)