Fig. 1

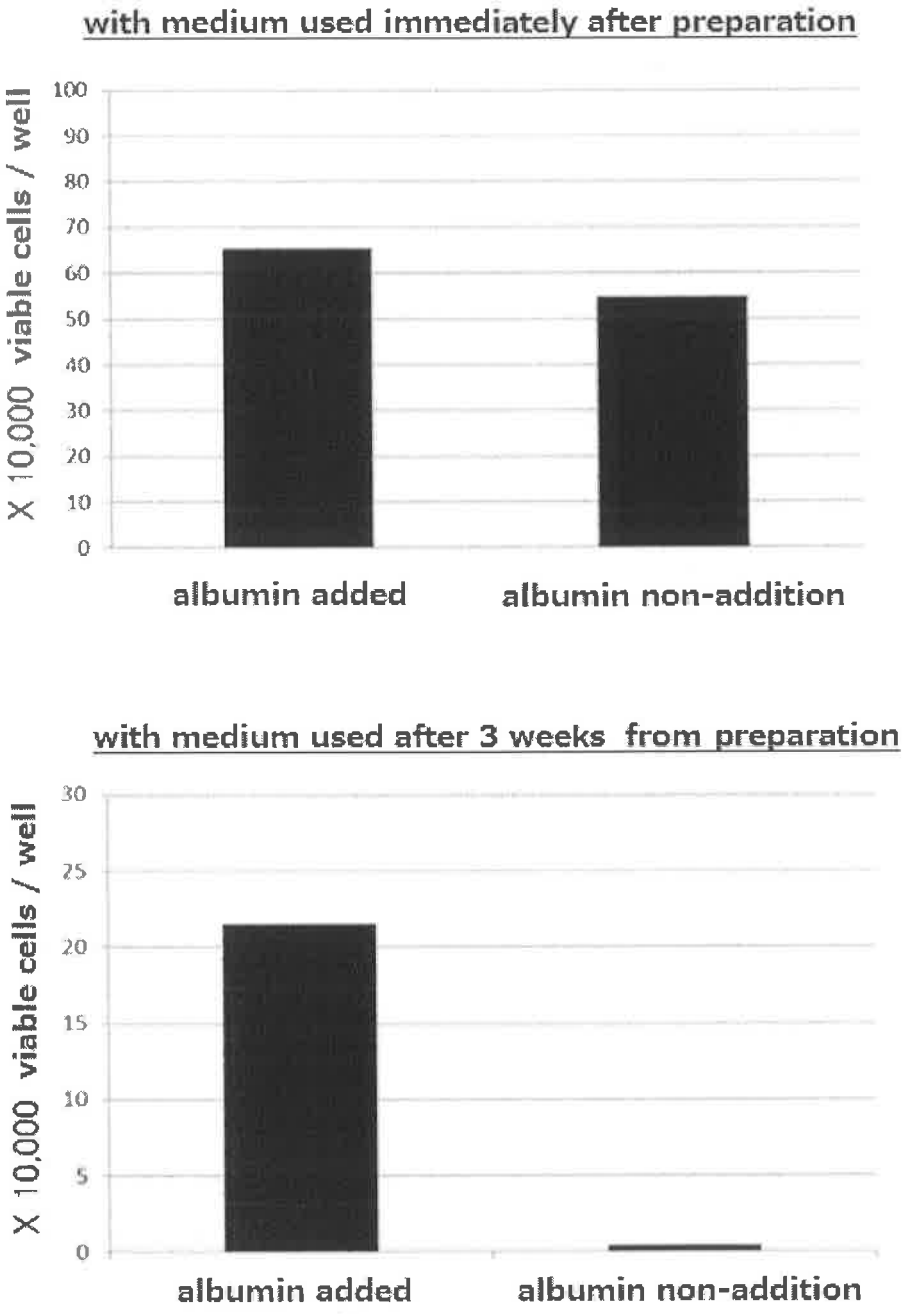

with medium used immediately after preparation
X 10,000 viable cells / well
100
90
80
70
60
50
40
30
20
10
0
albumin added
albumin non-addition
with medium used after 3 weeks from preparation
X 10,000 viable cells / well
30
25
20
15
10
5
0
albumin added
albumin non-addition

Fig. 2

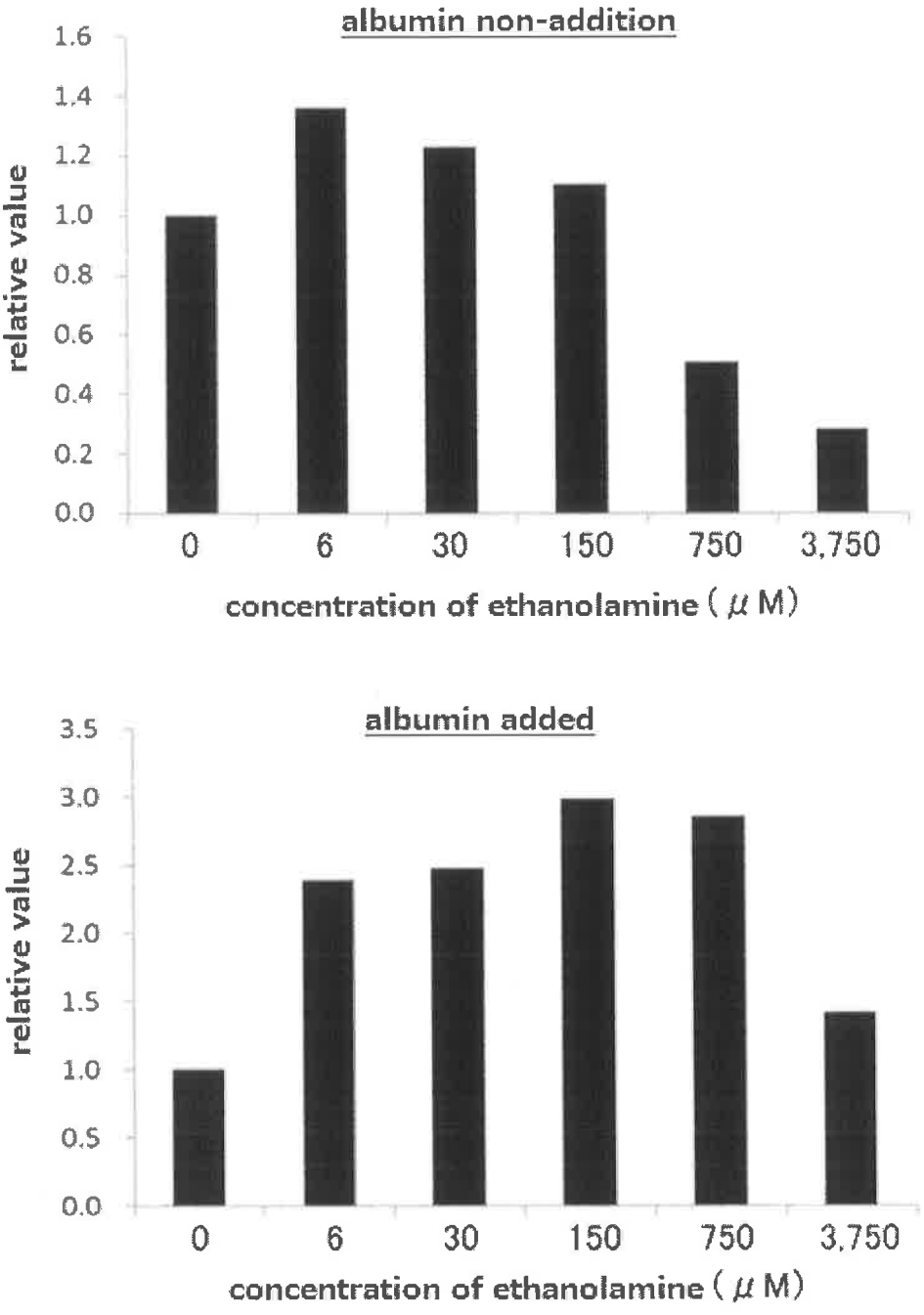

albumin non-addition
relative value
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
6
30
150
750
3,750
concentration of ethanolamine (μM)
albumin added
relative value
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
6
30
150
750
3,750
concentration of ethanolamine (μM)

Fig. 3

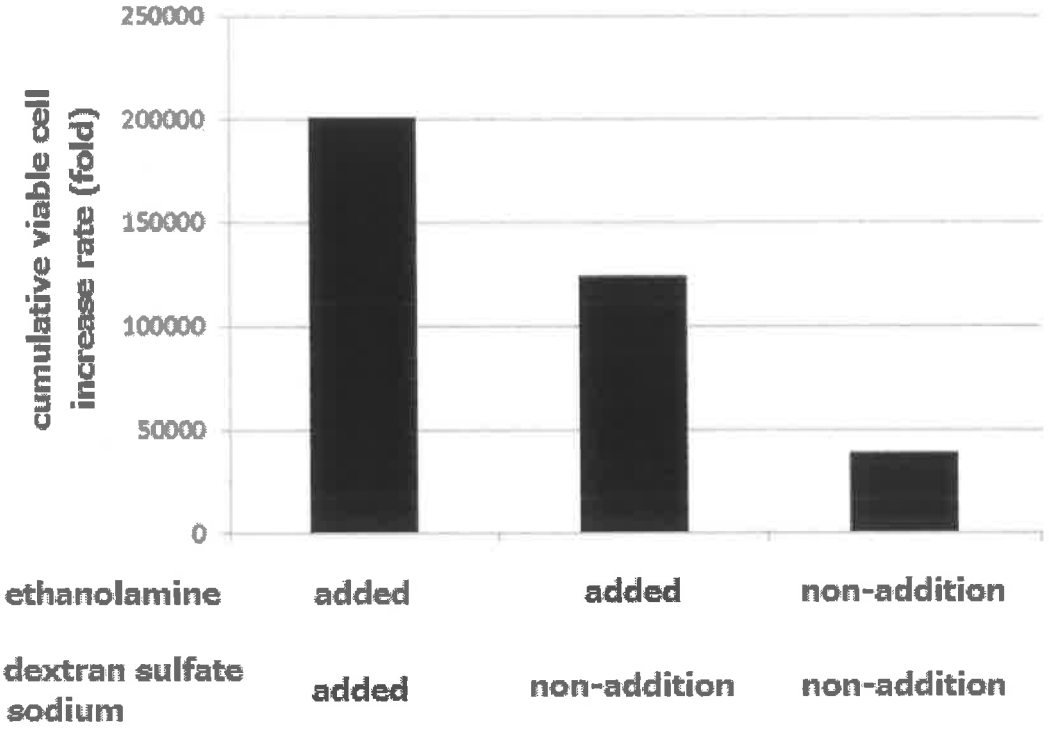

250000
200000
150000
100000
50000
0
cumulative viable cell increase rate (fold)
ethanolamine
added
added
non-addition
dextran sulfate sodium
added
non-addition
non-addition

Fig. 4

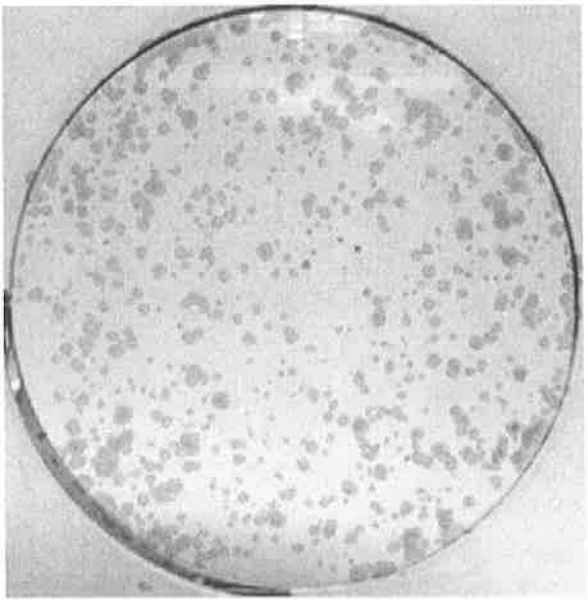


Fig. 5

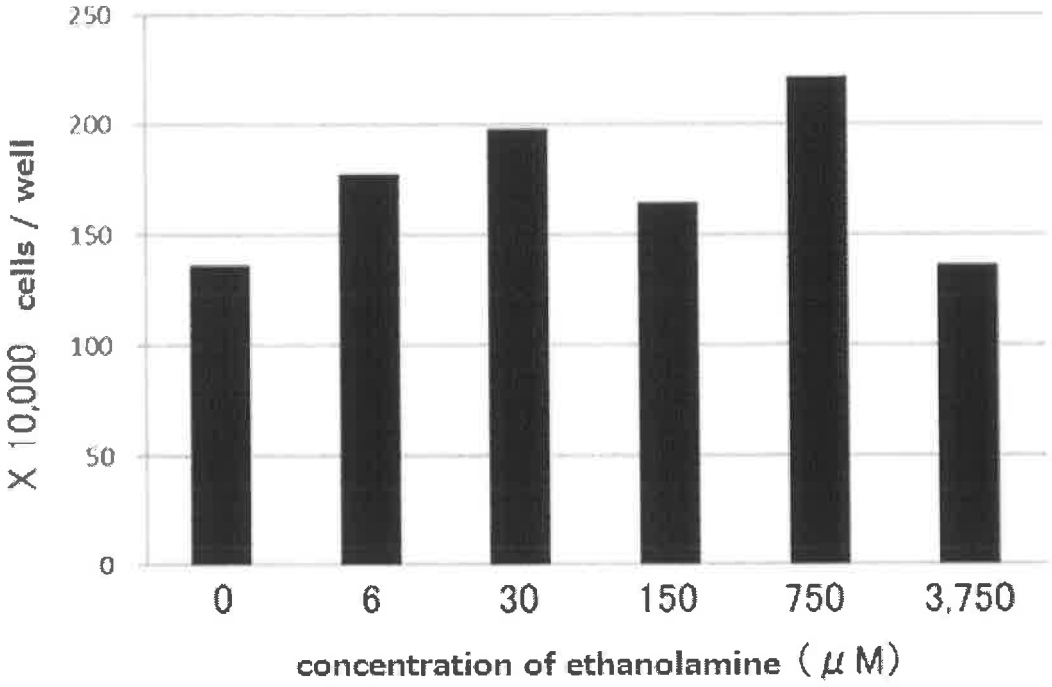

250
200
150
100
50
0
X 10,000 cells / well
0
6
30
150
750
3,750
concentration of ethanolamine (μM)

Fig. 6

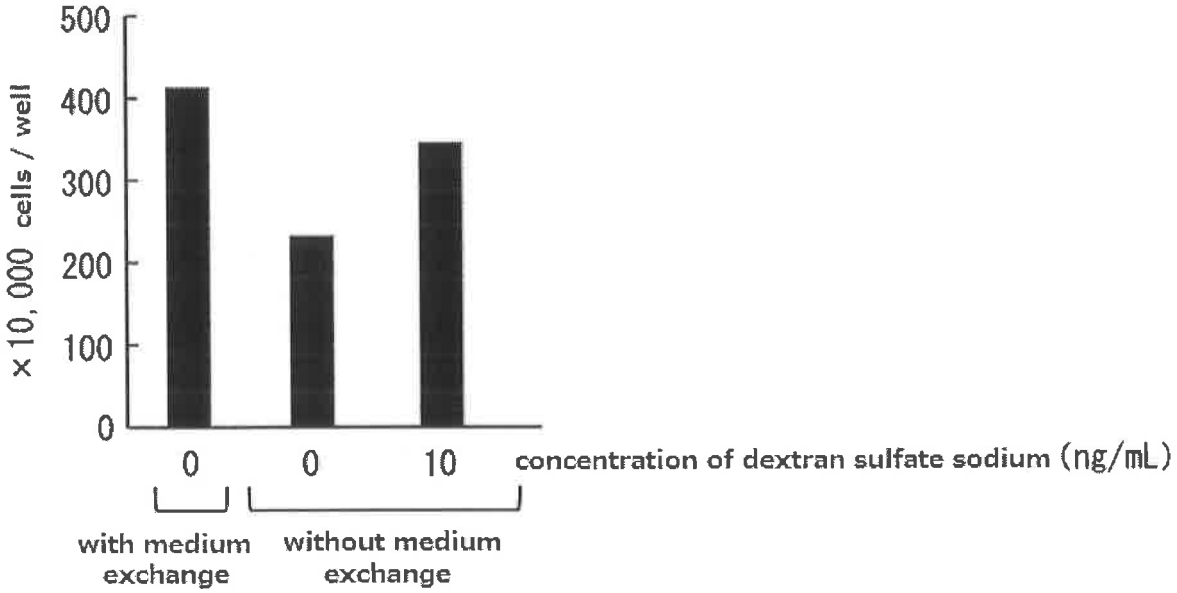

500
400
300
200
100
0
×10,000 cells / well
0
0
10
concentration of dextran sulfate sodium (ng/mL)
with medium exchange
without medium exchange

Fig. 7

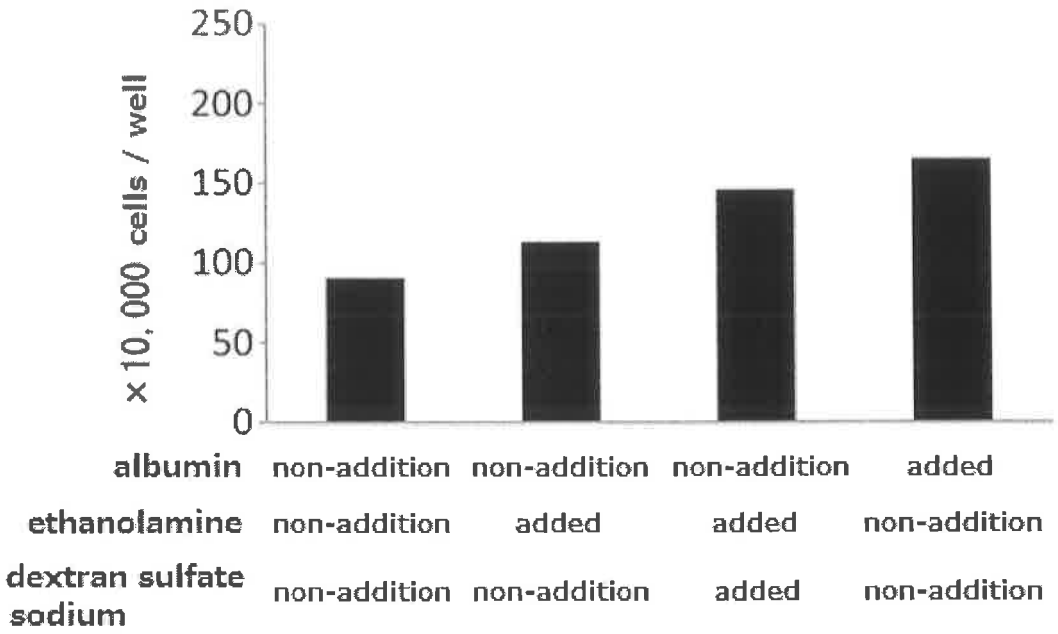

250
200
150
100
50
0
× 10, 000 cells / well
albumin non-addition non-addition non-addition added
ethanolamine non-addition added added non-addition
dextran sulfate sodium non-addition non-addition added non-addition

Fig. 8

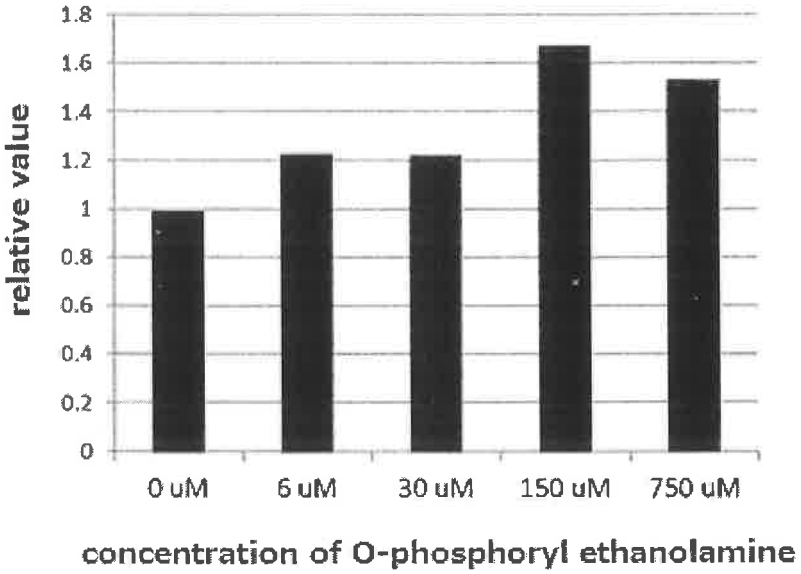

1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
relative value
0 uM
6 uM
30 uM
150 uM
750 uM
concentration of O-phosphoryl ethanolamine

Fig. 9

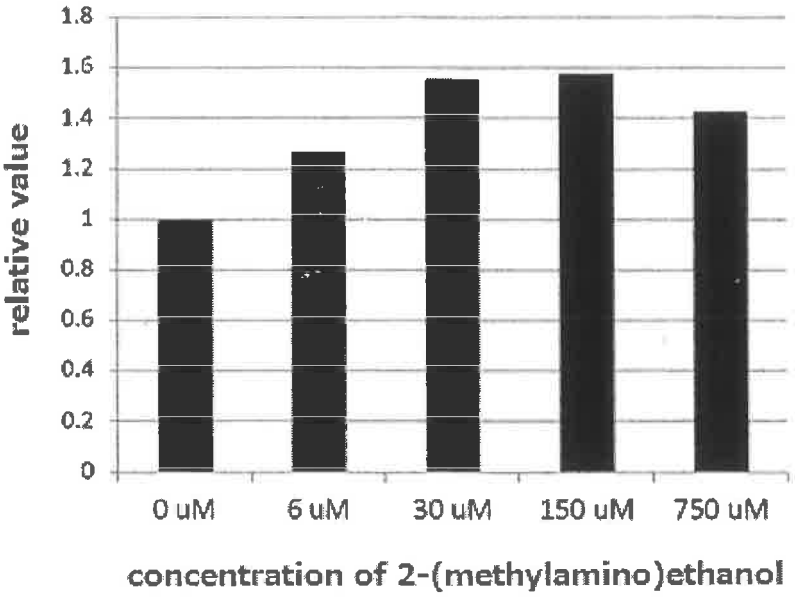

1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
relative value
0 uM
6 uM
30 uM
150 uM
750 uM
concentration of 2-(methylamino)ethanol

Fig. 10

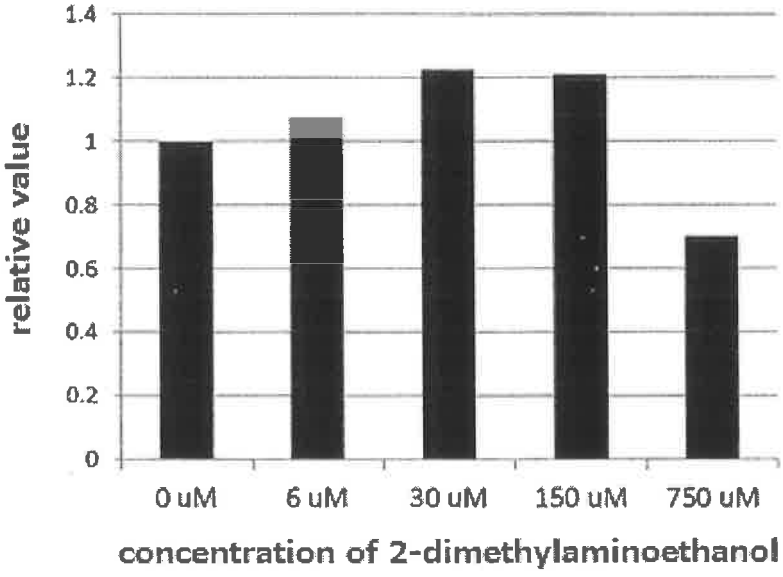

1.4
1.2
1
0.8
0.6
0.4
0.2
0
relative value
0 uM
6 uM
30 uM
150 uM
750 uM
concentration of 2-dimethylaminoethanol

Fig. 11

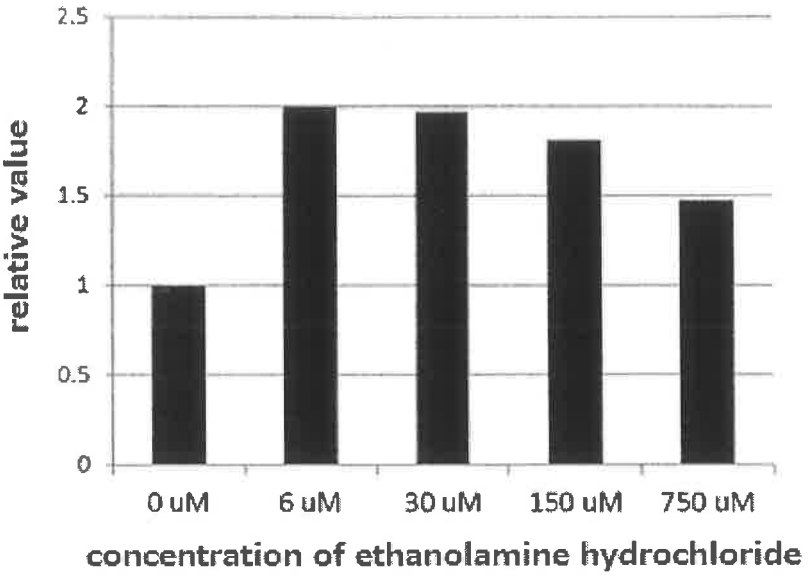
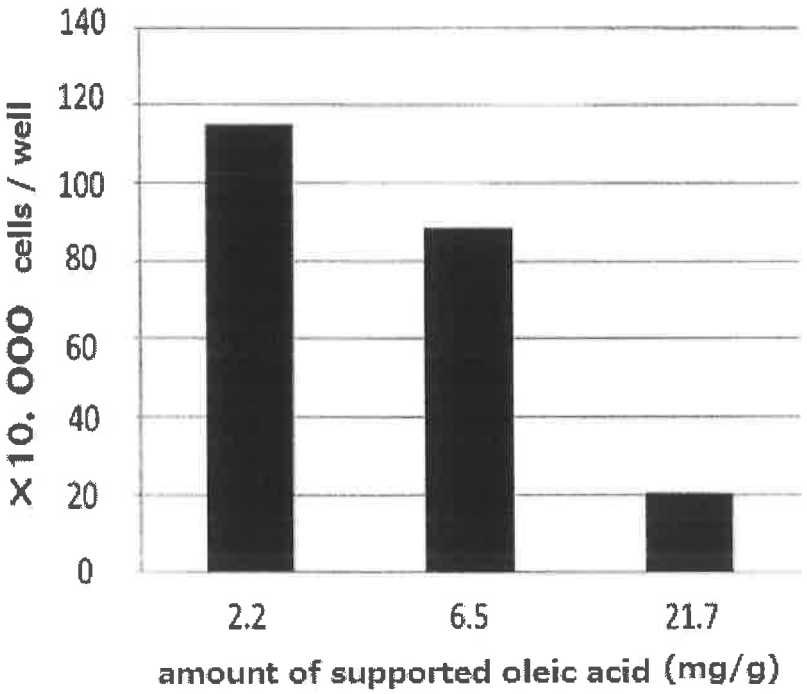

2.5
2
1.5
1
0.5
0
relative value
0 uM
6 uM
30 uM
150 uM
750 uM
concentration of ethanolamine hydrochloride

Fig. 12


140
120
100
80
60
40
20
0
×10,000 cells / well
2.2
6.5
21.7
amount of supported oleic acid (mg/g)