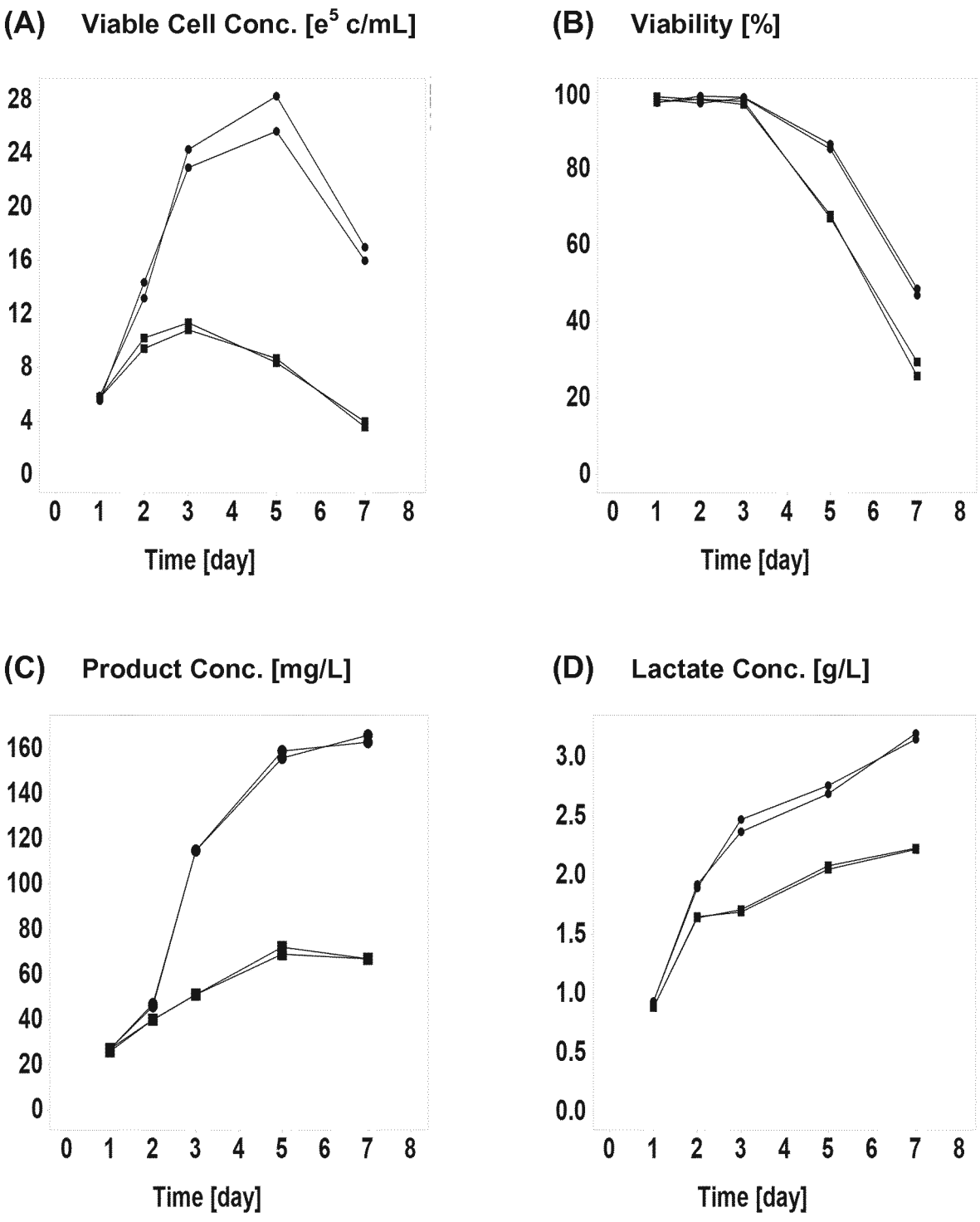

(A) Viable Cell Conc. [e5 c/mL]
28
24
20
16
12
8
4
0
0 1 2 3 4 5 6 7 8
Time [day]
(B) Viability [%]
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8
Time [day]
(C) Product Conc. [mg/L]
160
140
120
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8
Time [day]
(D) Lactate Conc. [g/L]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0 1 2 3 4 5 6 7 8
Time [day]

FIGURE 1

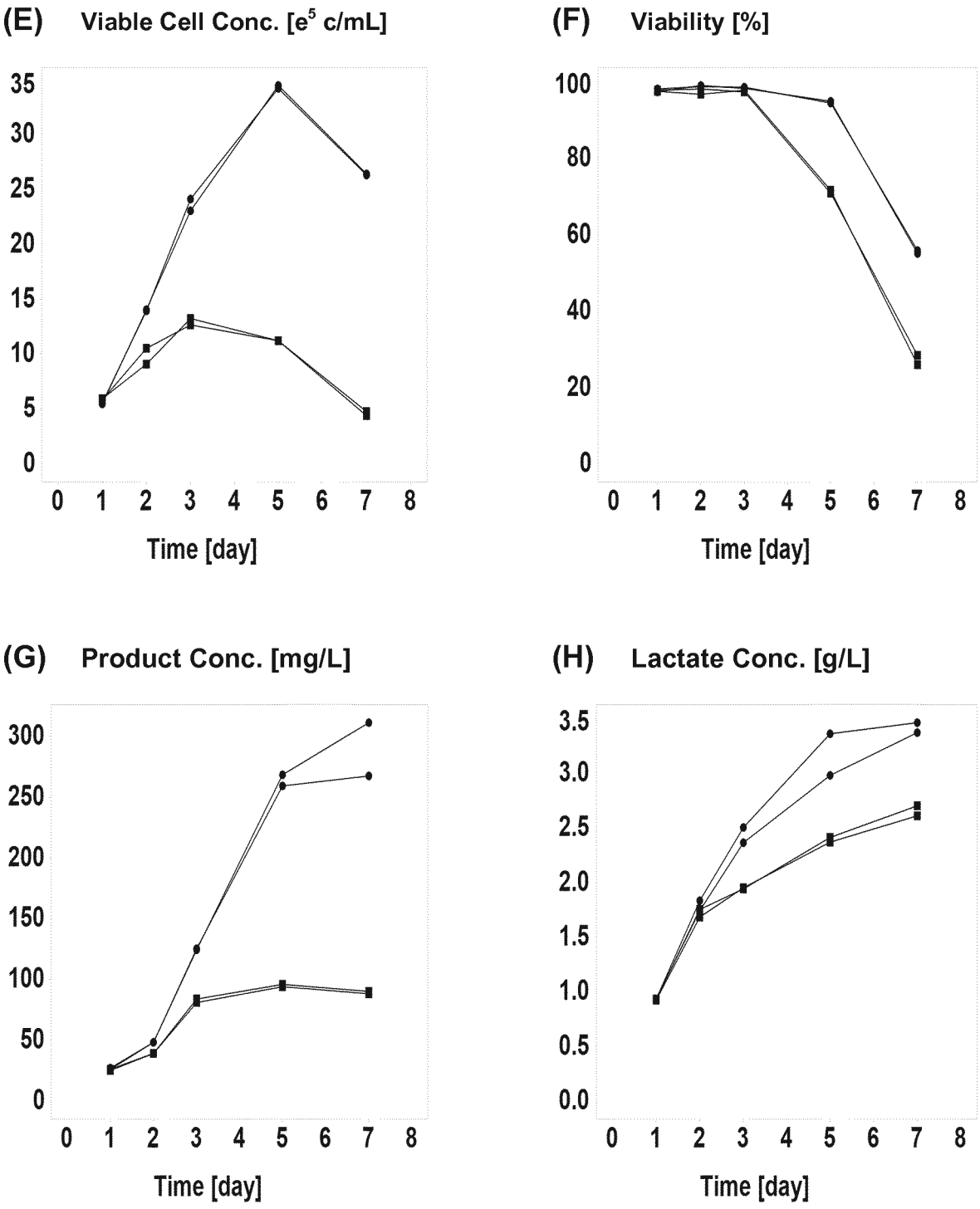

(E) Viable Cell Conc. [e5 c/mL]
35
30
25
20
15
10
5
0
0 1 2 3 4 5 6 7 8
Time [day]
(F) Viability [%]
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8
Time [day]
(G) Product Conc. [mg/L]
300
250
200
150
100
50
0
0 1 2 3 4 5 6 7 8
Time [day]
(H) Lactate Conc. [g/L]
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0 1 2 3 4 5 6 7 8
Time [day]

FIGURE 1

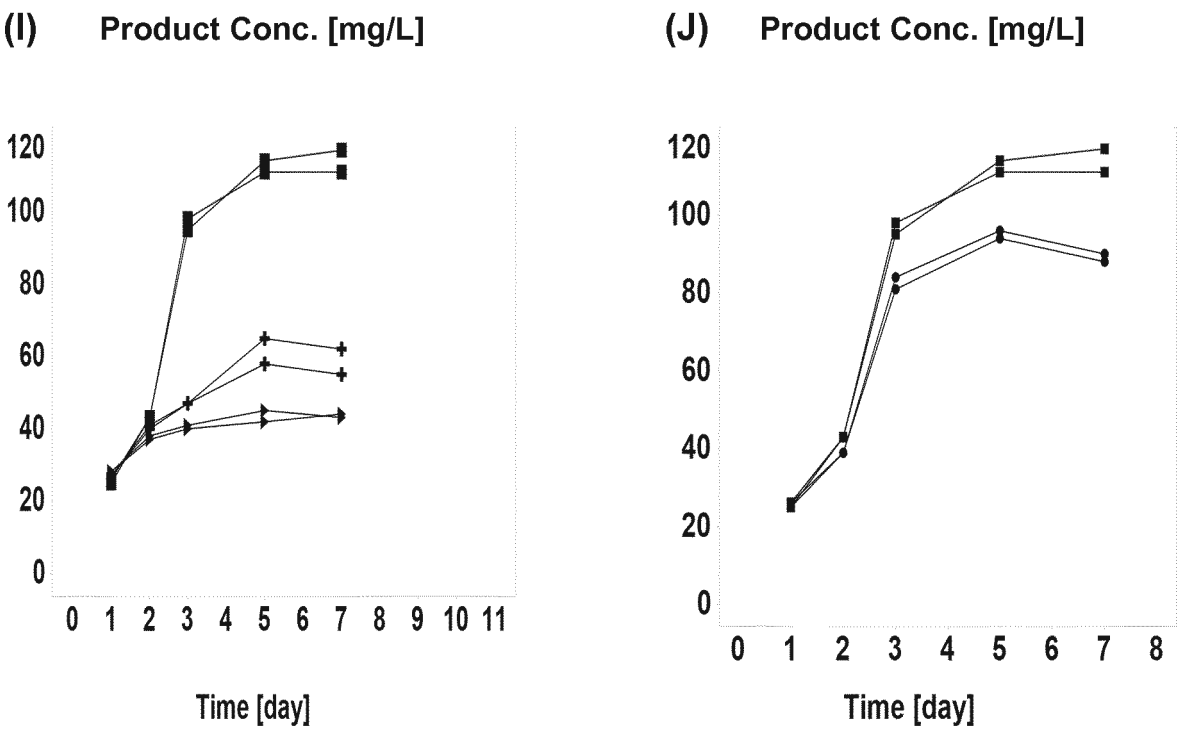

(I)
Product Conc. [mg/L]
120
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8 9 10 11
Time [day]
(J)
Product Conc. [mg/L]
120
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8
Time [day]

FIGURE 1

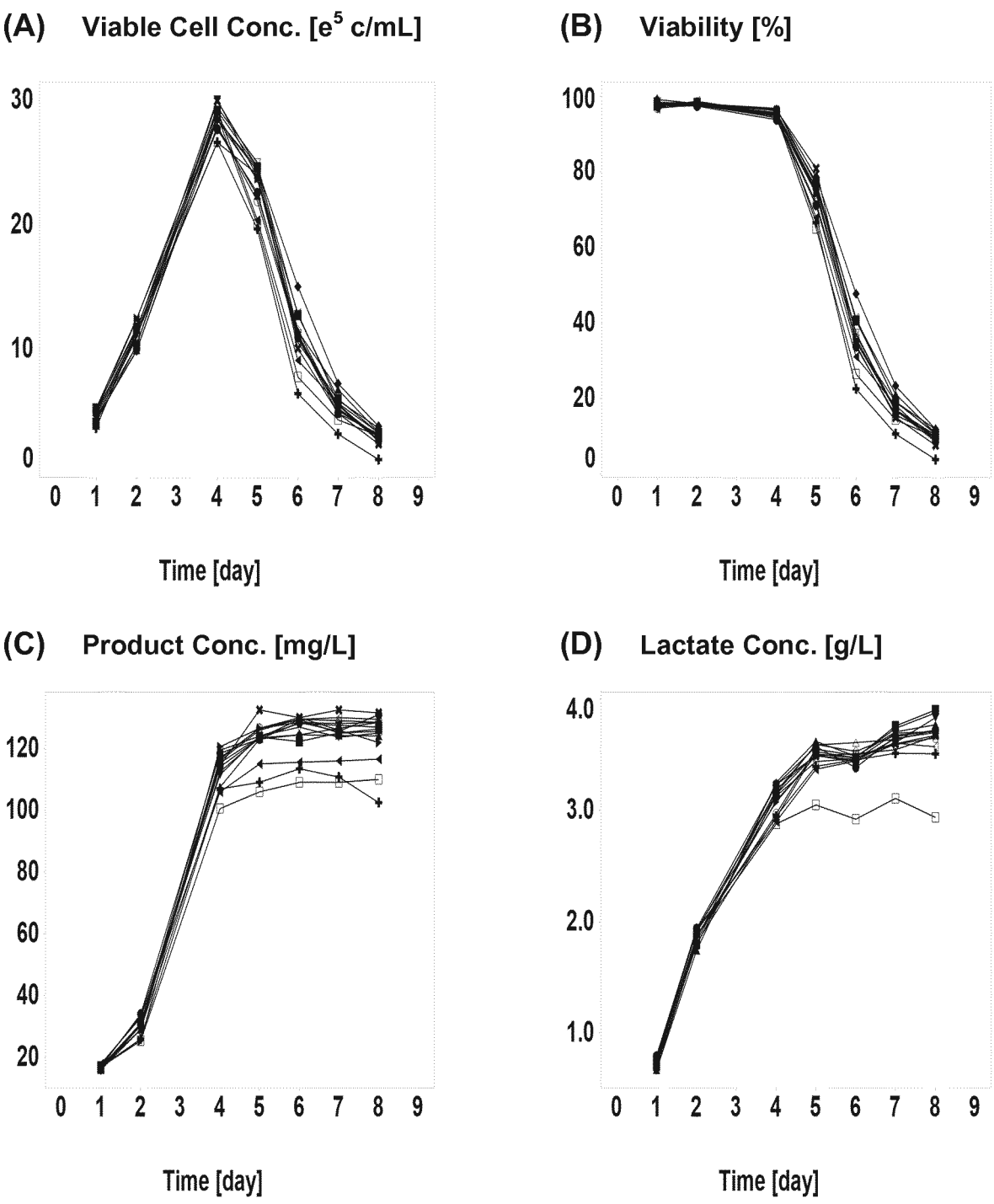
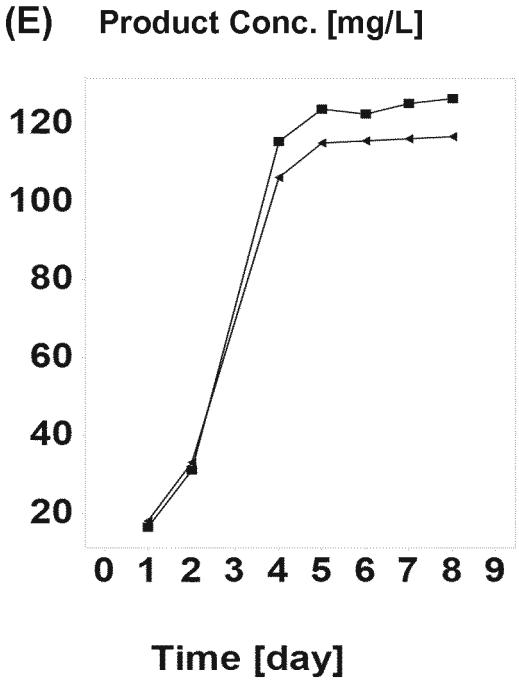
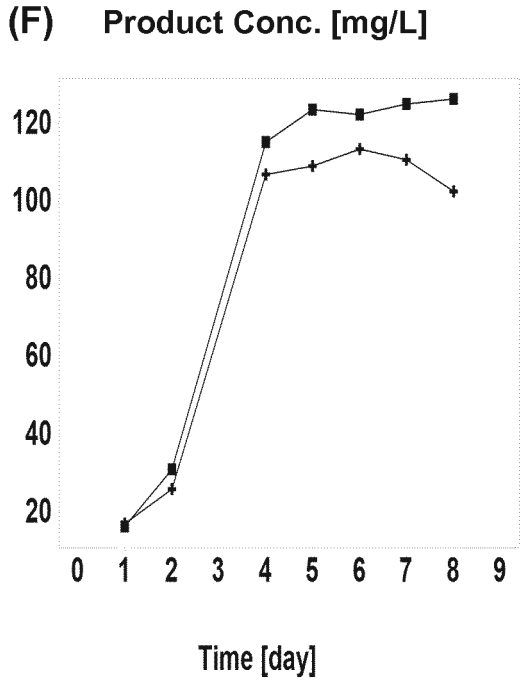

(A) Viable Cell Conc. [e5 c/mL]
30
20
10
0
0 1 2 3 4 5 6 7 8 9
Time [day]
(B) Viability [%]
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8 9
Time [day]
(C) Product Conc. [mg/L]
120
100
80
60
40
20
0 1 2 3 4 5 6 7 8 9
Time [day]
(D) Lactate Conc. [g/L]
4.0
3.0
2.0
1.0
0 1 2 3 4 5 6 7 8 9
Time [day]

FIGURE 2


(E)
Product Conc. [mg/L]
120
100
80
60
40
20
0 1 2 3 4 5 6 7 8 9
Time [day]


(F)
Product Conc. [mg/L]
120
100
80
60
40
20
0 1 2 3 4 5 6 7 8 9
Time [day]

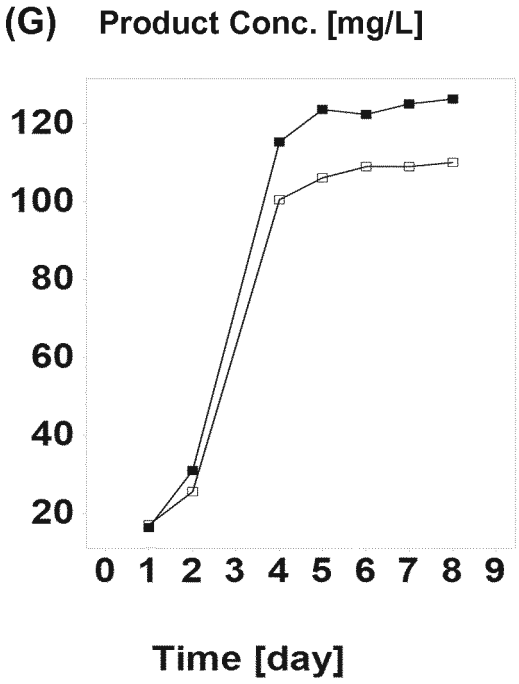

(G)
Product Conc. [mg/L]
120
100
80
60
40
20
0 1 2 3 4 5 6 7 8 9
Time [day]

FIGURE 2

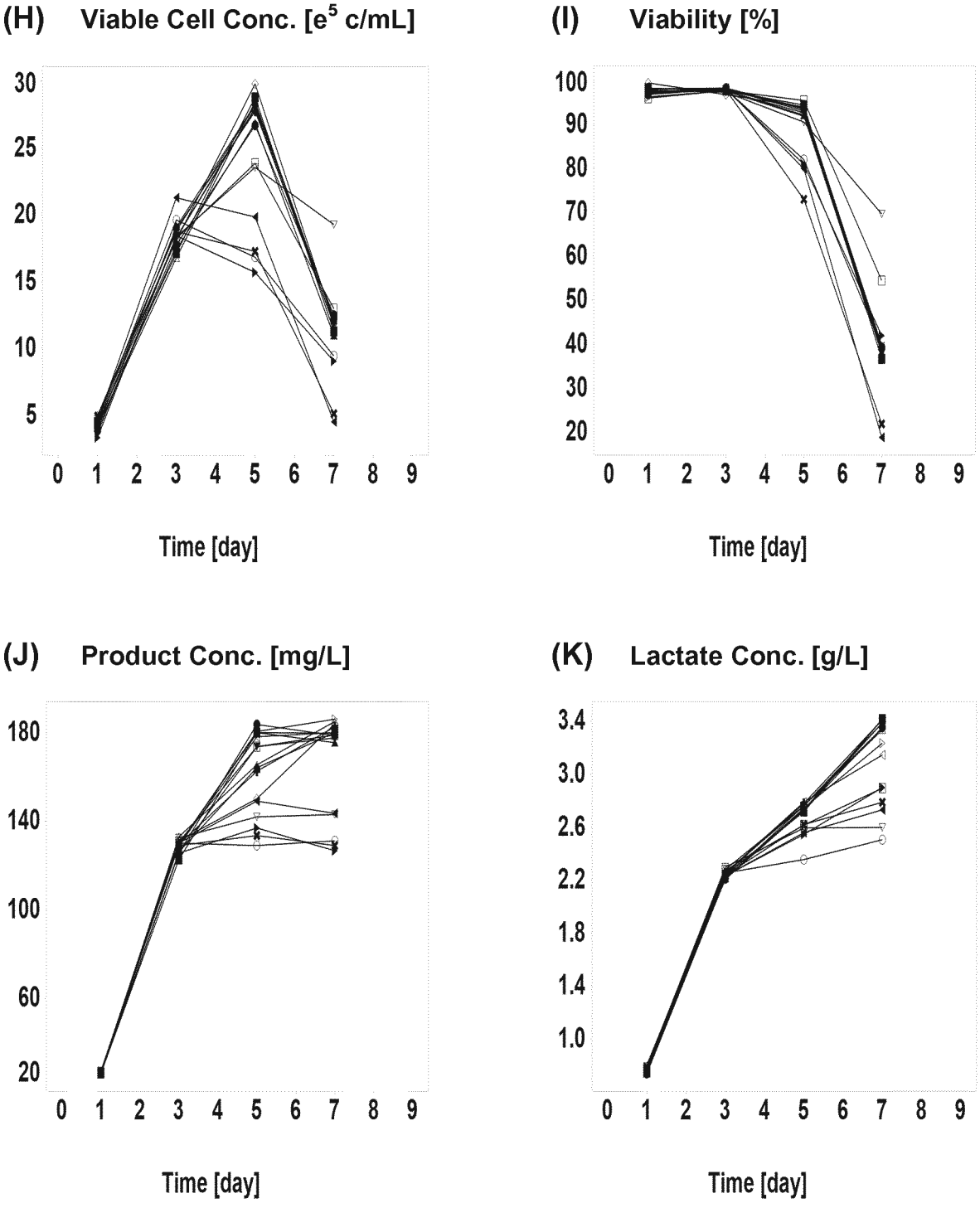
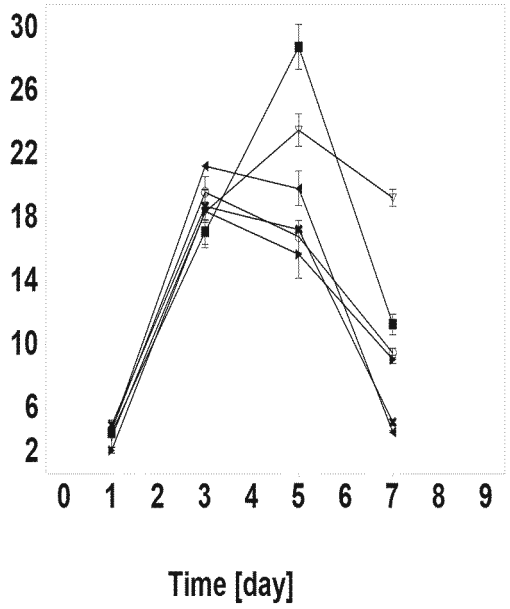
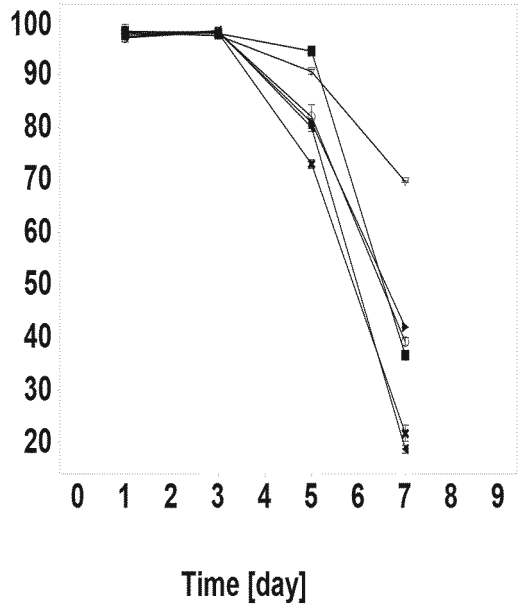

(H) Viable Cell Conc. [e5 c/mL]
30
25
20
15
10
5
0 1 2 3 4 5 6 7 8 9
Time [day]
(I) Viability [%]
100
90
80
70
60
50
40
30
20
0 1 2 3 4 5 6 7 8 9
Time [day]
(J) Product Conc. [mg/L]
180
140
100
60
20
0 1 2 3 4 5 6 7 8 9
Time [day]
(K) Lactate Conc. [g/L]
3.4
3.0
2.6
2.2
1.8
1.4
1.0
0 1 2 3 4 5 6 7 8 9
Time [day]

FIGURE 2

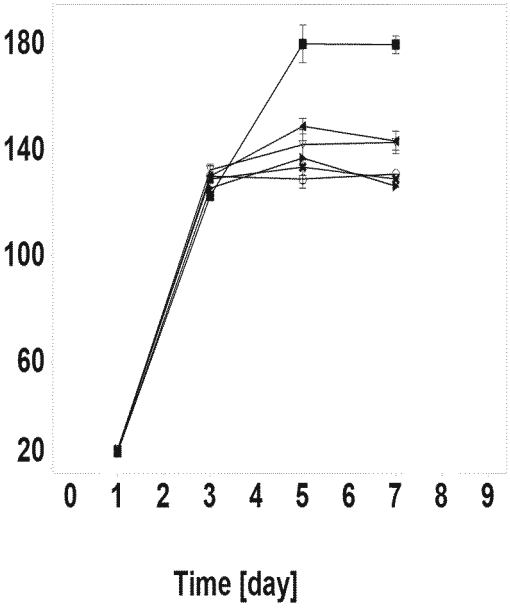
(L) Viable Cell Conc. [e^5 c/mL]



(M) Viability [%]



(N) Product Conc. [mg/L]



(O) Lactate Conc. [g/L]

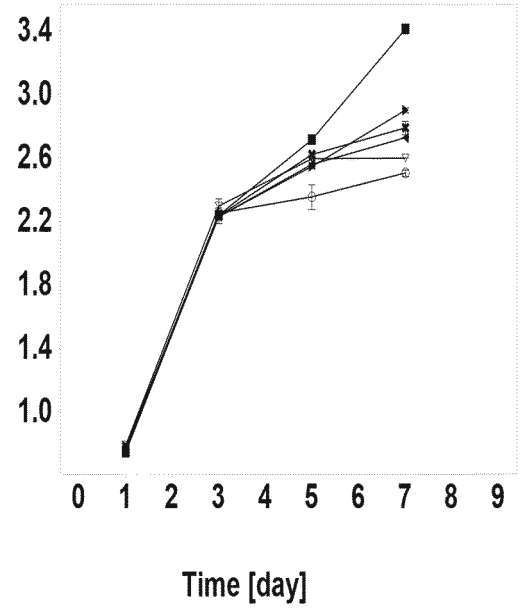


FIGURE 2

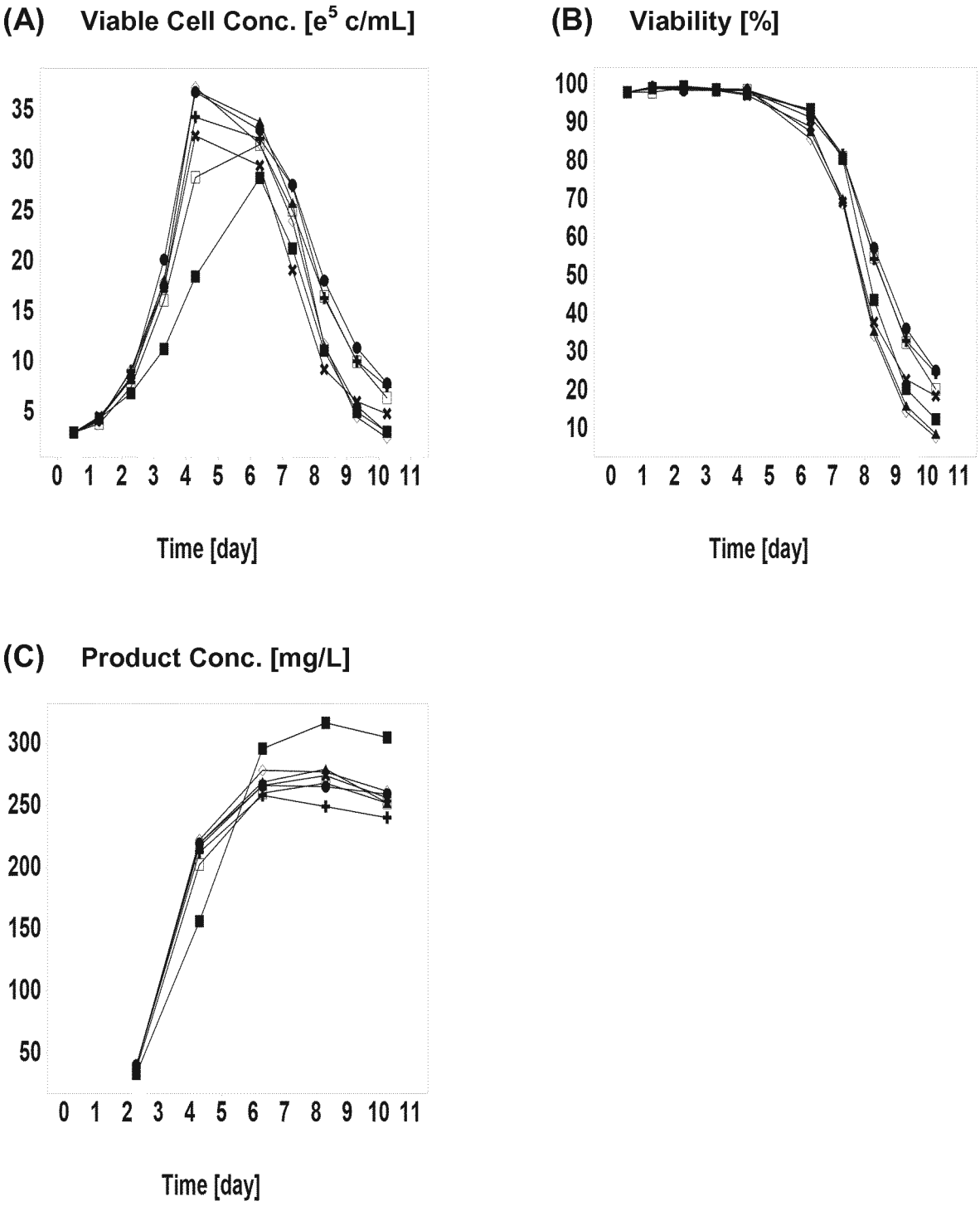

(A) Viable Cell Conc. [e5 c/mL]
35
30
25
20
15
10
5
0 1 2 3 4 5 6 7 8 9 10 11
Time [day]
(B) Viability [%]
100
90
80
70
60
50
40
30
20
10
0 1 2 3 4 5 6 7 8 9 10 11
Time [day]
(C) Product Conc. [mg/L]
300
250
200
150
100
50
0 1 2 3 4 5 6 7 8 9 10 11
Time [day]

FIGURE 3

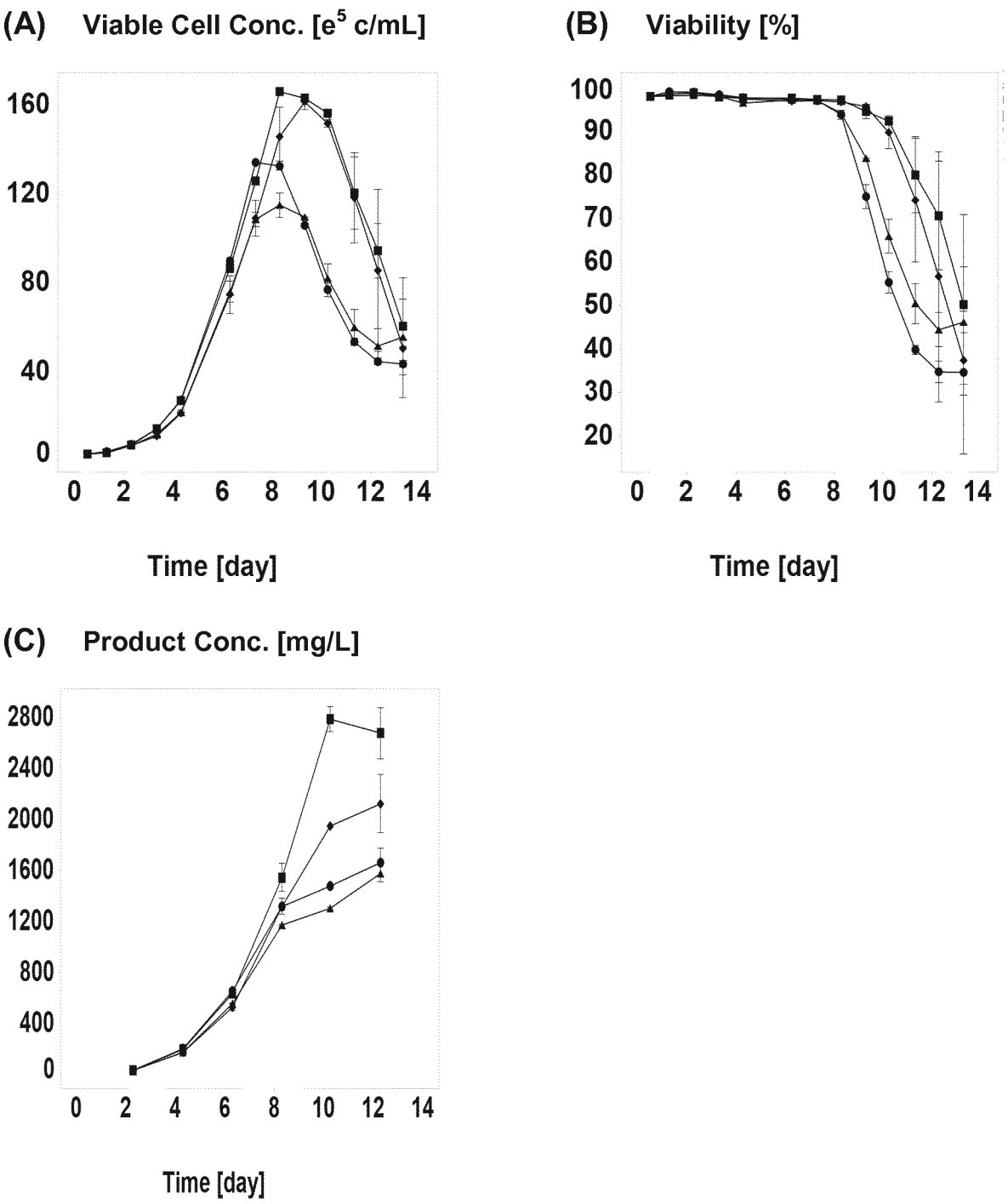
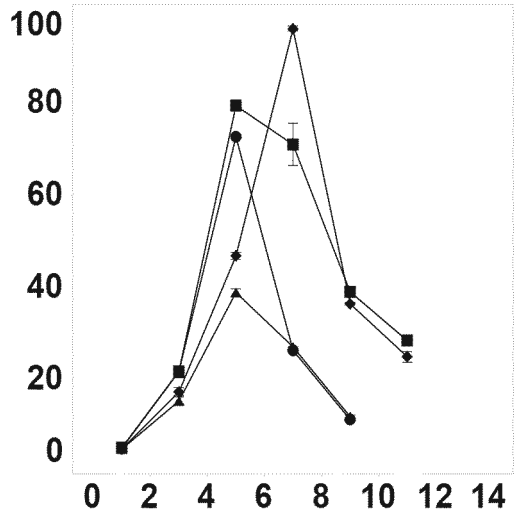
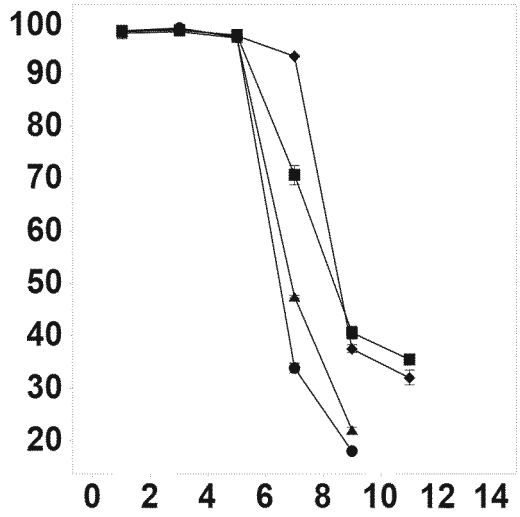

(A) Viable Cell Conc. [e5 c/mL]
160
120
80
40
0
0 2 4 6 8 10 12 14
Time [day]
(B) Viability [%]
100
90
80
70
60
50
40
30
20
0 2 4 6 8 10 12 14
Time [day]
(C) Product Conc. [mg/L]
2800
2400
2000
1600
1200
800
400
0
0 2 4 6 8 10 12 14
Time [day]

FIGURE 4

(D) Viable Cell Conc. [e^5 c/mL]



(E) Viability [%]



(F) Product Conc. [mg/L]

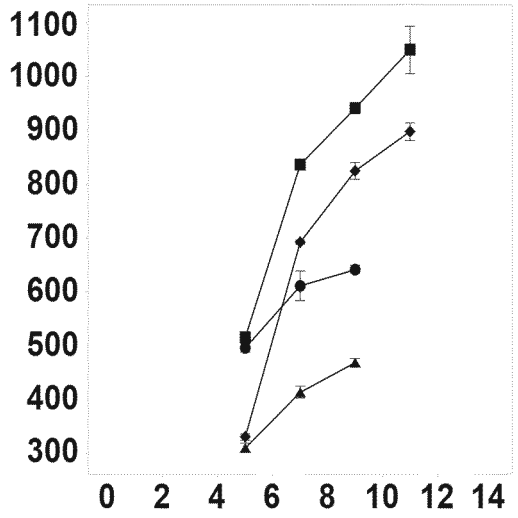


FIGURE 4

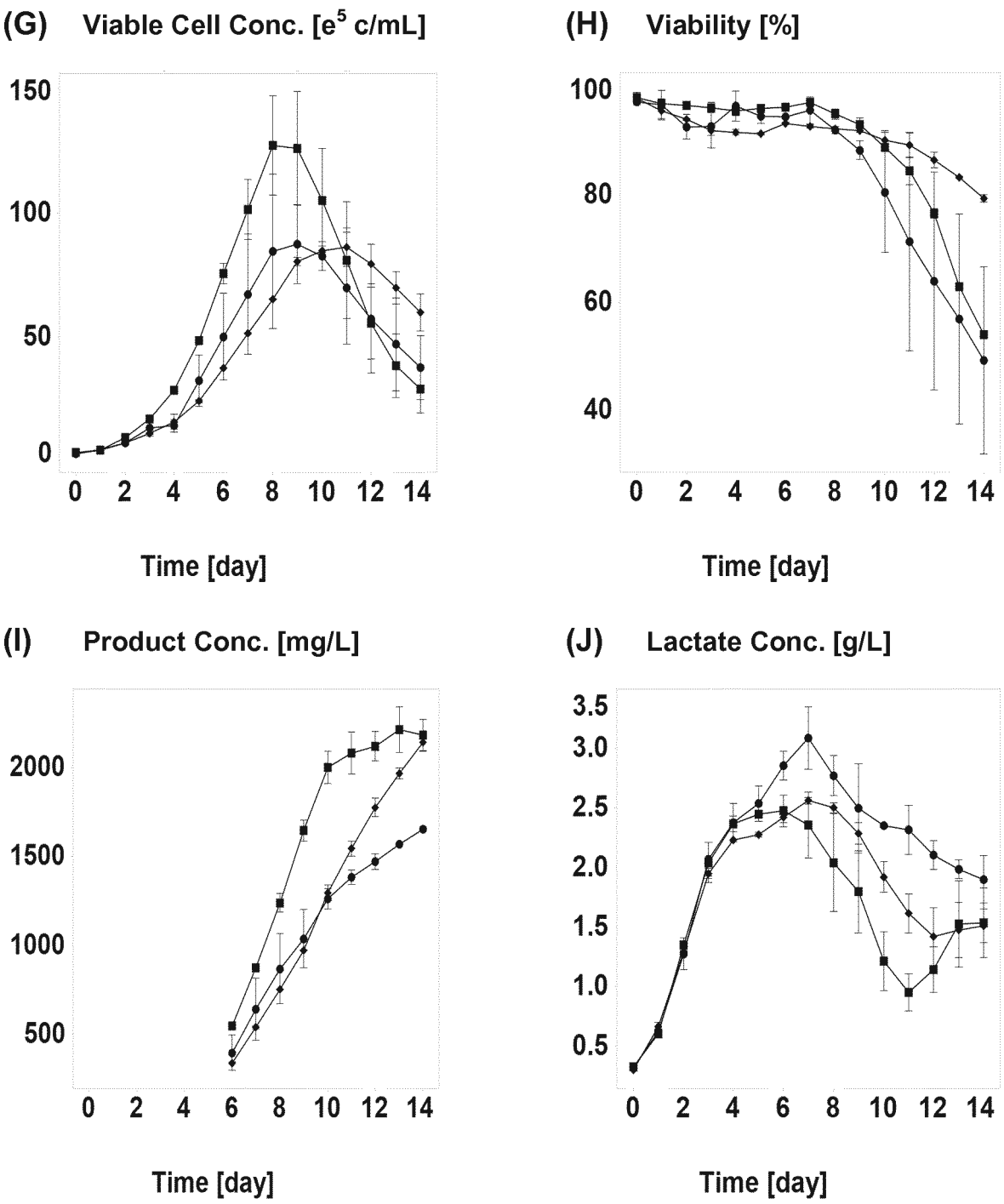
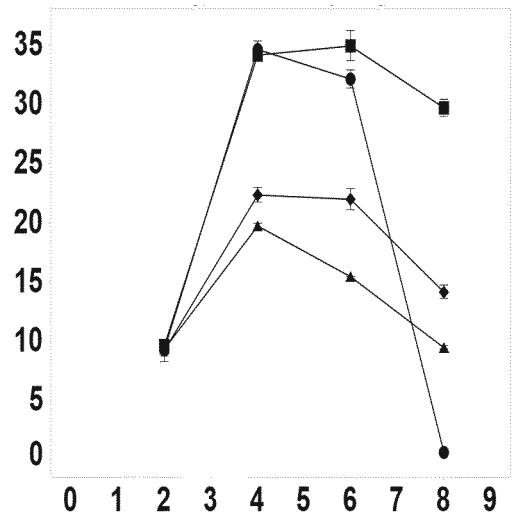
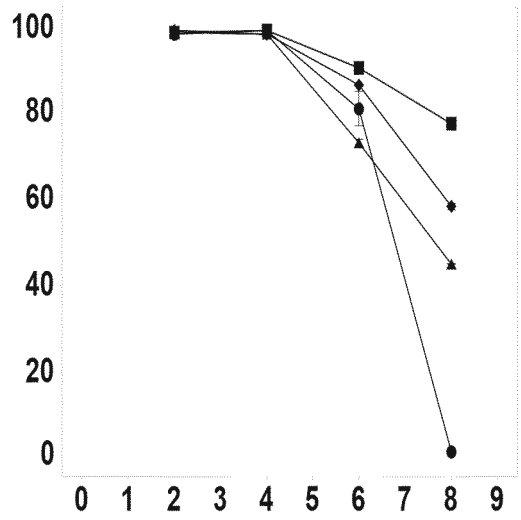

(G) Viable Cell Conc. [e5 c/mL]
150
100
50
0
0 2 4 6 8 10 12 14
Time [day]
(H) Viability [%]
100
80
60
40
0 2 4 6 8 10 12 14
Time [day]
(I) Product Conc. [mg/L]
2000
1500
1000
500
0 2 4 6 8 10 12 14
Time [day]
(J) Lactate Conc. [g/L]
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0 2 4 6 8 10 12 14
Time [day]

FIGURE 4

(K) Viable Cell Conc. [e^5 c/mL]



(L) Viability [%]



(M) Product Conc. [mg/L]

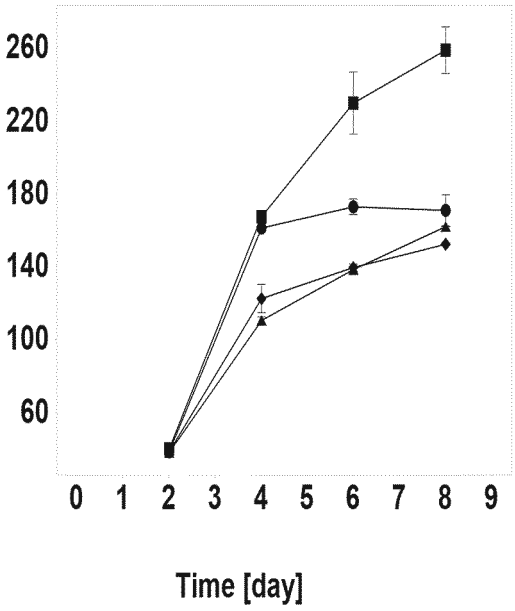
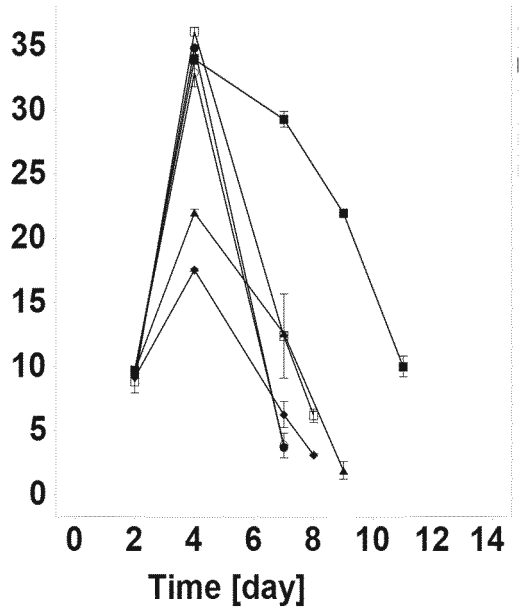
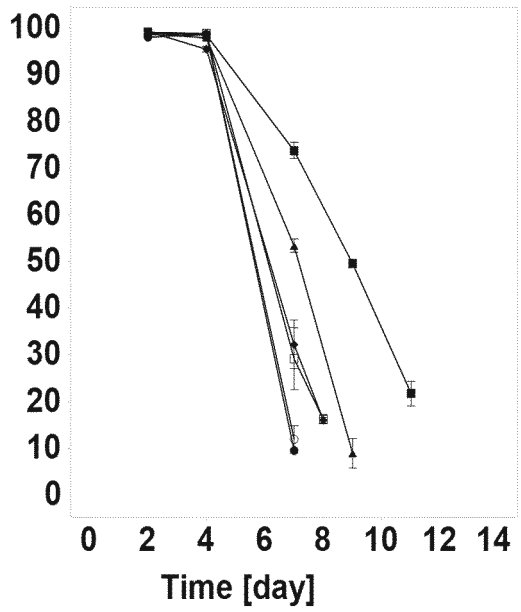


FIGURE 4

(N) Viable Cell Conc. [e^5 c/mL]



(O) Viability [%]



(P) Product Conc. [mg/L]

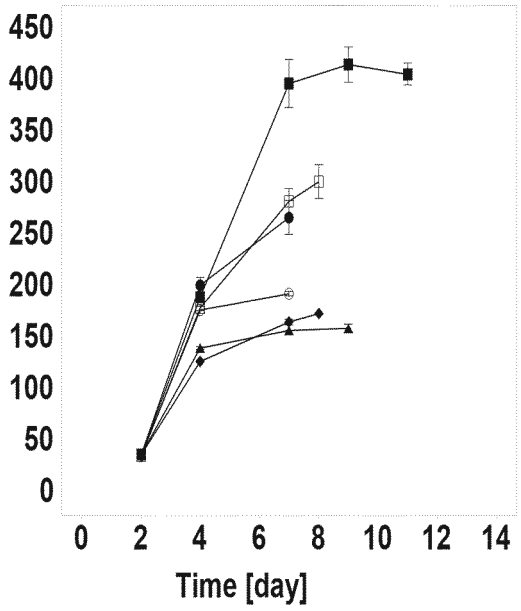


FIGURE 4

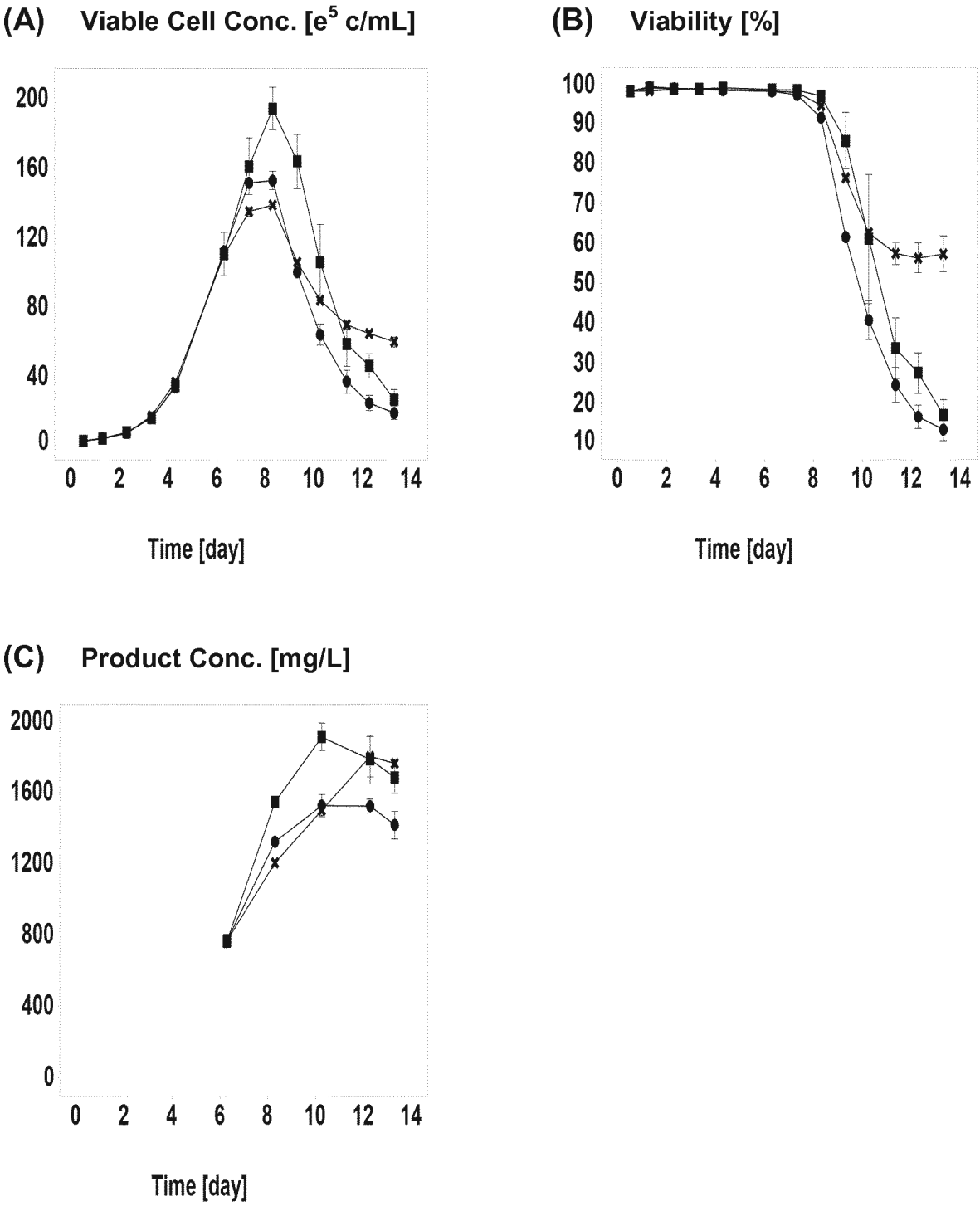
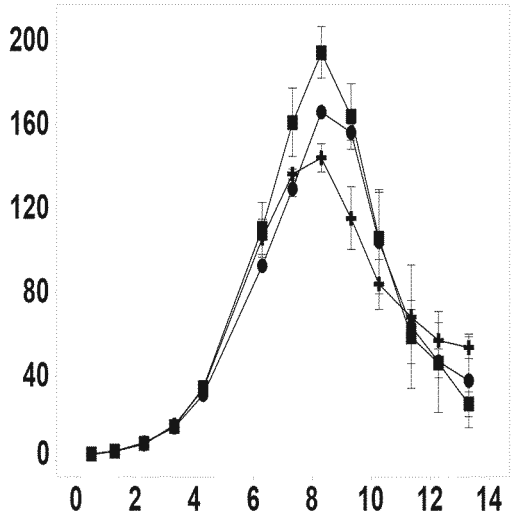
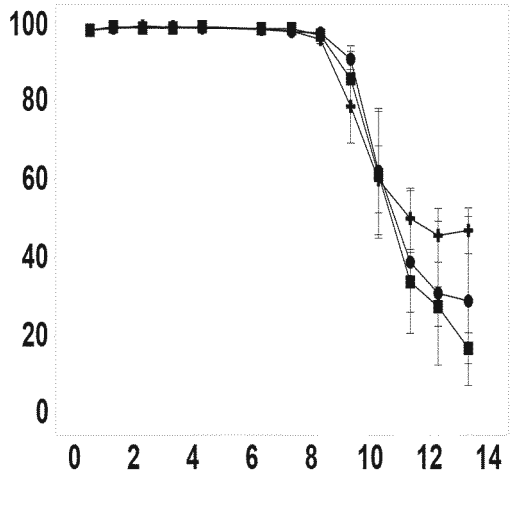

(A) Viable Cell Conc. [e5 c/mL]
200
160
120
80
40
0
0 2 4 6 8 10 12 14
Time [day]
(B) Viability [%]
100
90
80
70
60
50
40
30
20
10
0 2 4 6 8 10 12 14
Time [day]
(C) Product Conc. [mg/L]
2000
1600
1200
800
400
0
0 2 4 6 8 10 12 14
Time [day]

FIGURE 5

(D) Viable Cell Conc. [e^5 c/mL]



(E) Viability [%]



(F) Product Conc. [mg/L]

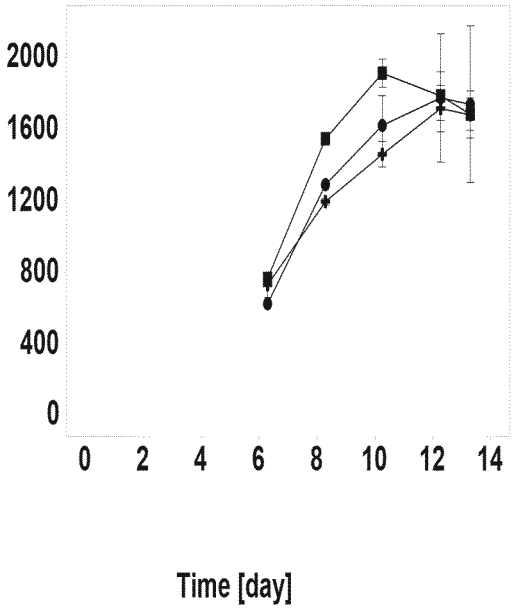
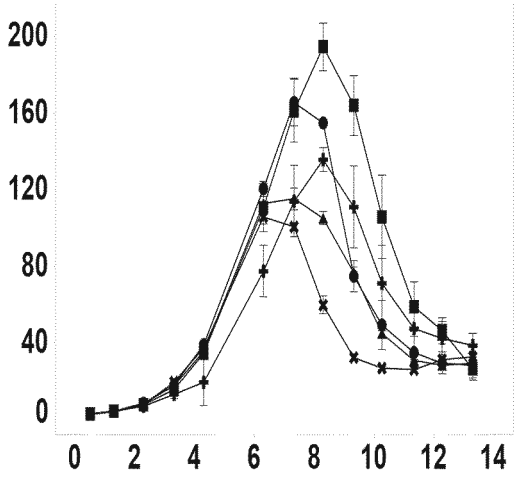
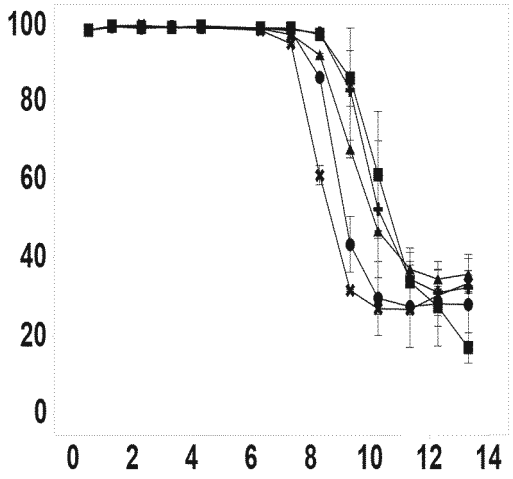


FIGURE 5

(G) Viable Cell Conc. [e^5 c/mL]



(H) Viability [%]



(I) Product Conc. [mg/L]

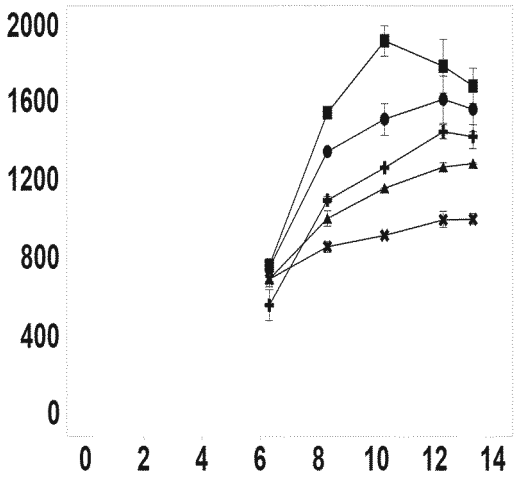
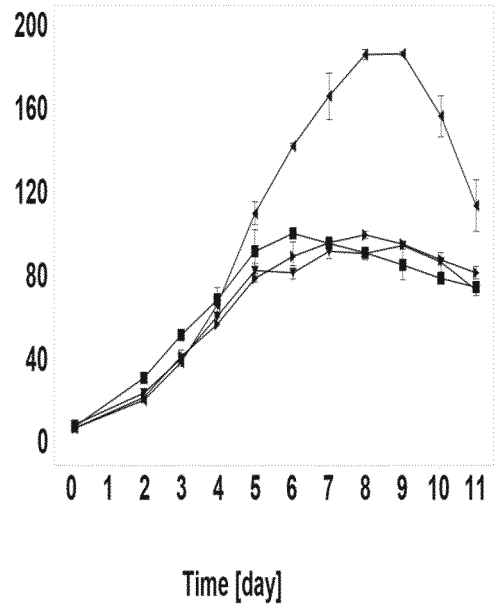
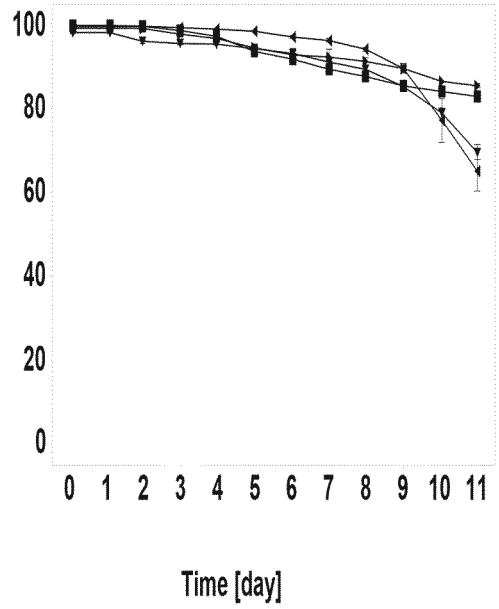


FIGURE 5

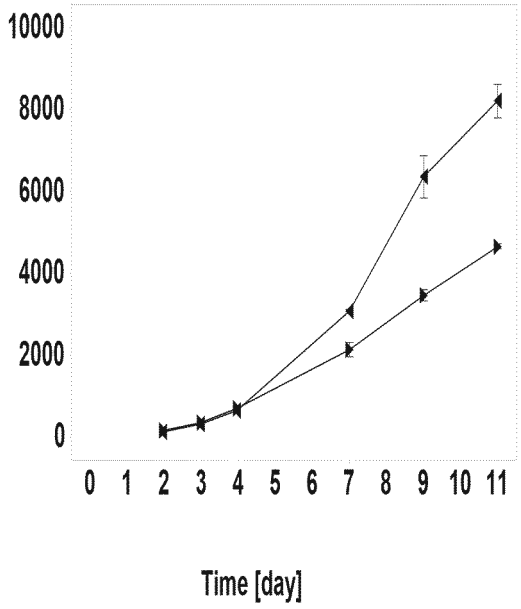
(A) Viable Cell Conc. [e^5 c/mL]



(B) Viability [%]



(C) Product Conc. [mg/L]



(D) Product Conc. [mg/L]

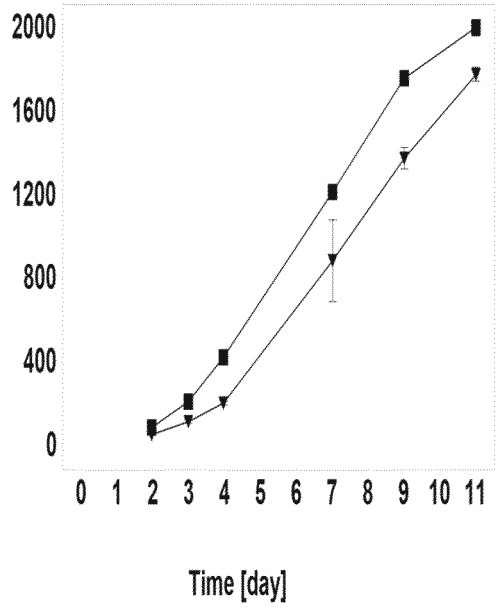


FIGURE 6

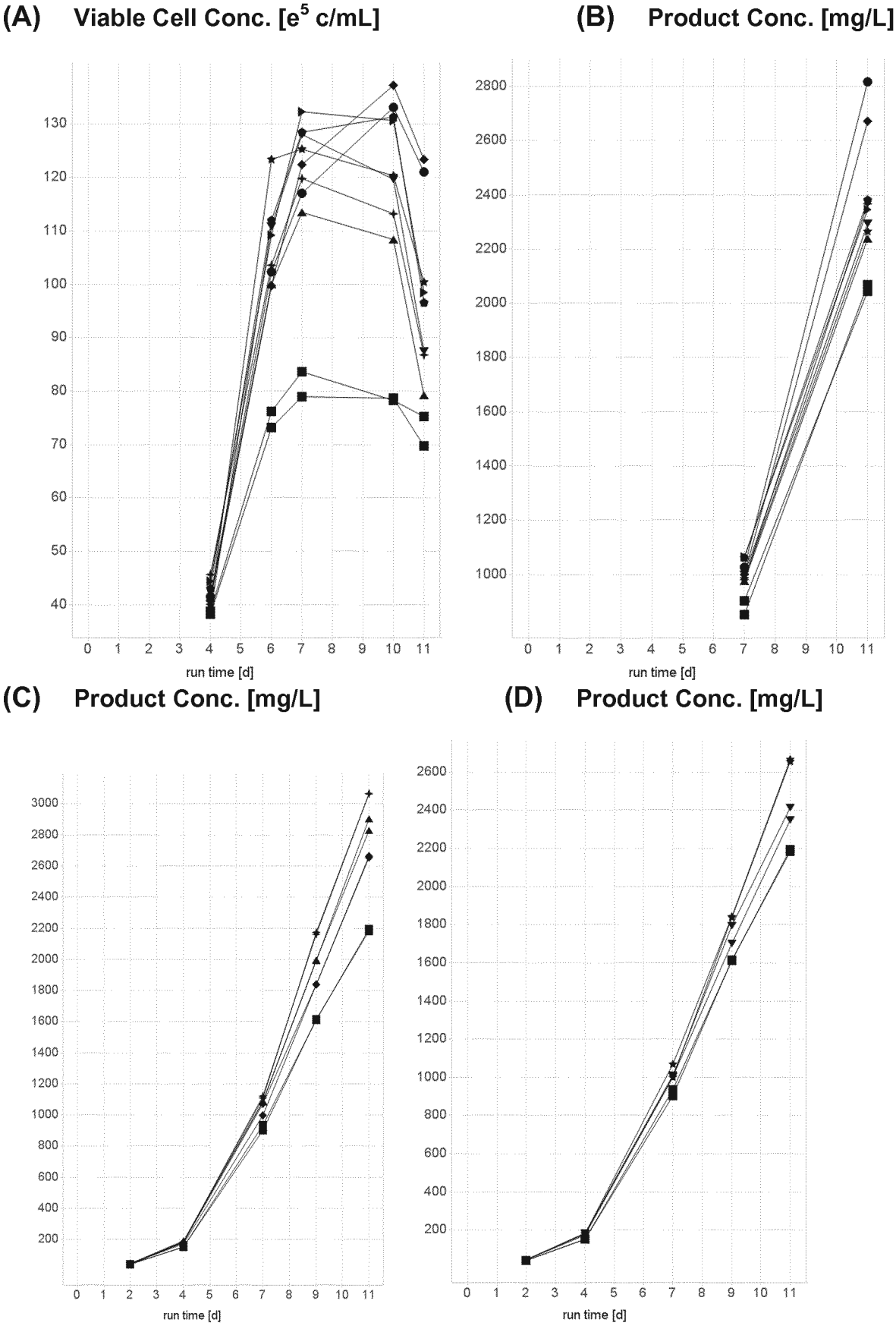

(A) Viable Cell Conc. [e5 c/mL]
(B) Product Conc. [mg/L]
(C) Product Conc. [mg/L]
(D) Product Conc. [mg/L]
run time [d]
run time [d]
run time [d]
run time [d]

FIGURE 7

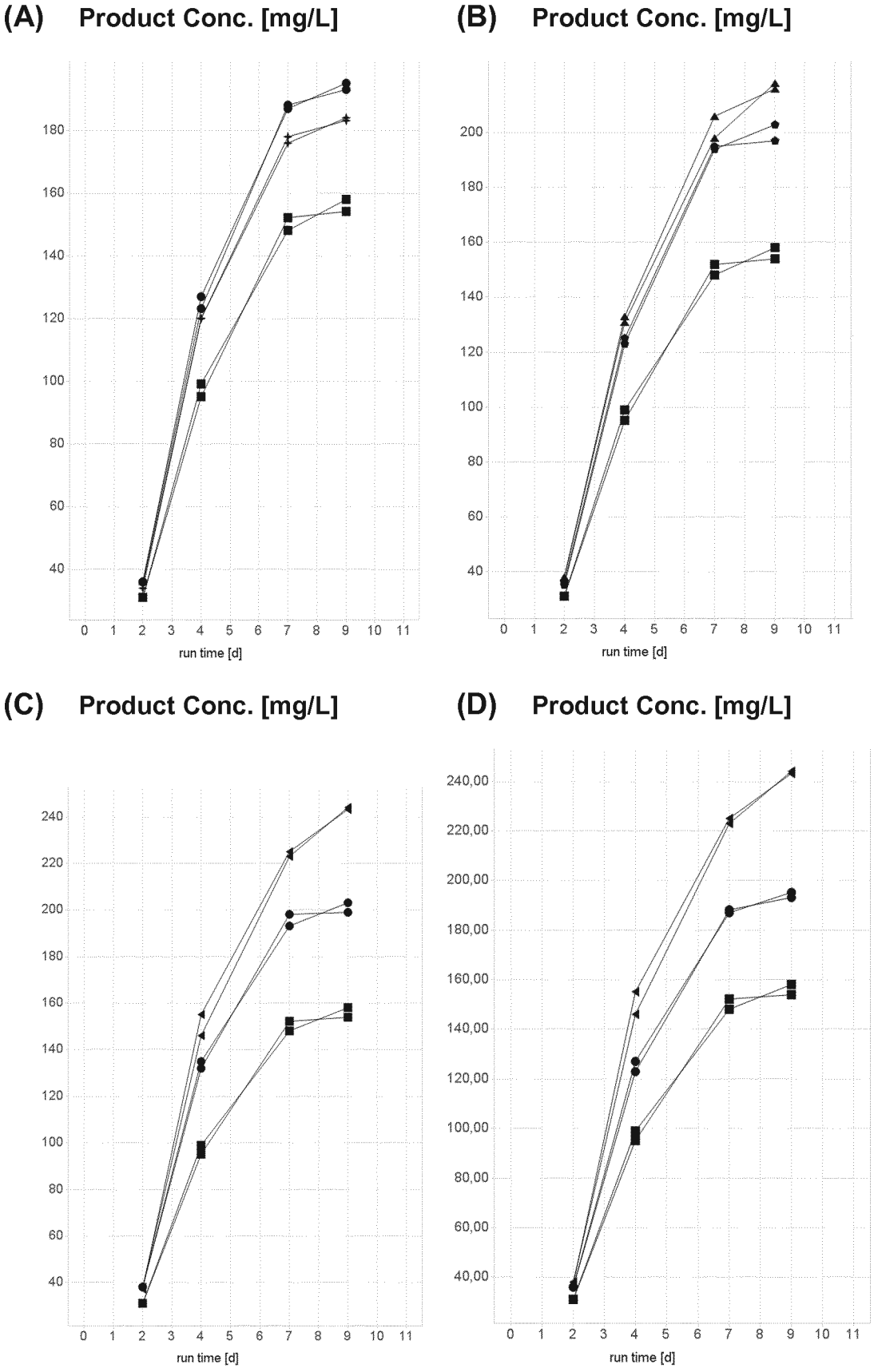

(A) Product Conc. [mg/L]
(B) Product Conc. [mg/L]
(C) Product Conc. [mg/L]
(D) Product Conc. [mg/L]
run time [d]
run time [d]
run time [d]
run time [d]

FIGURE 8

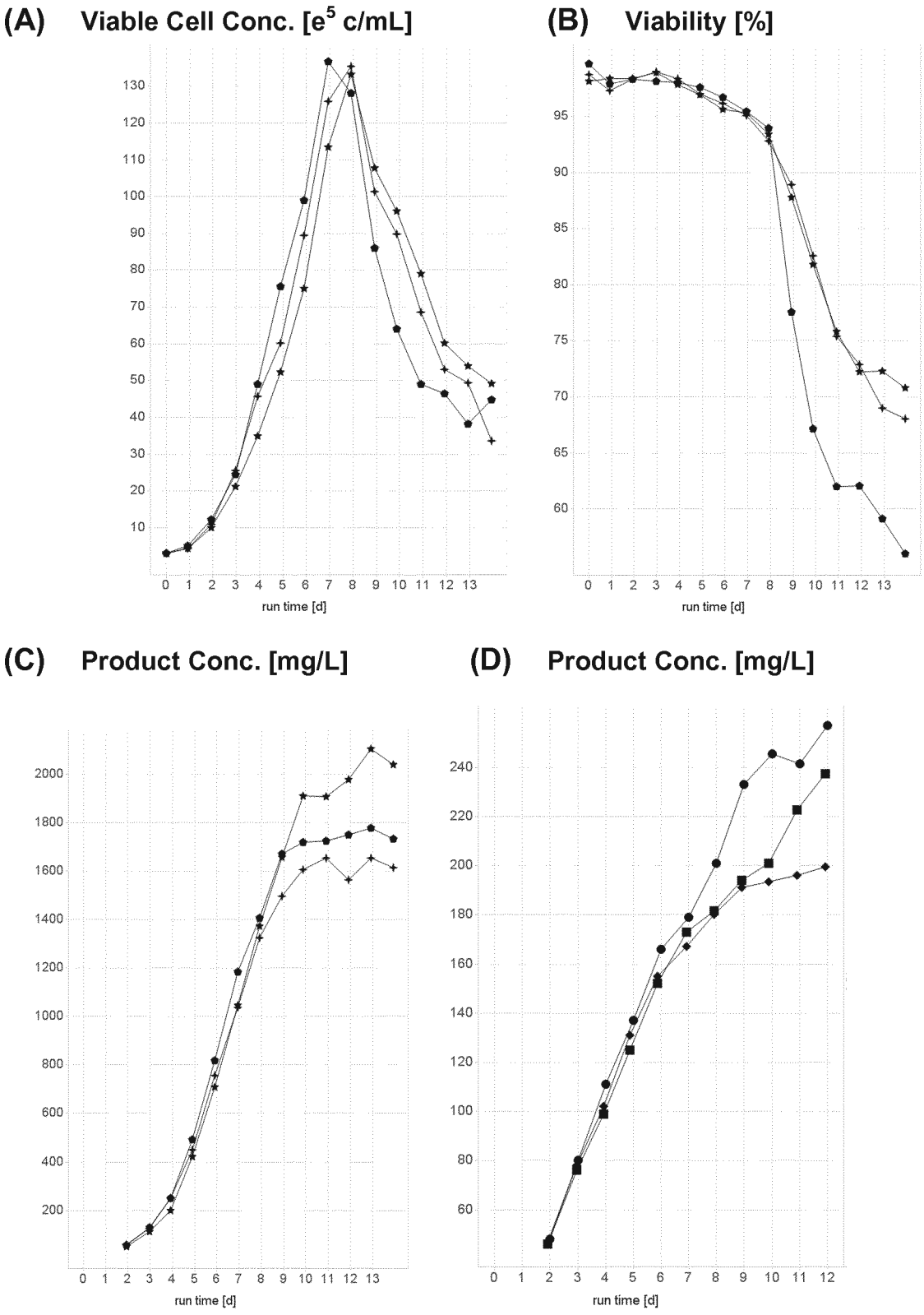
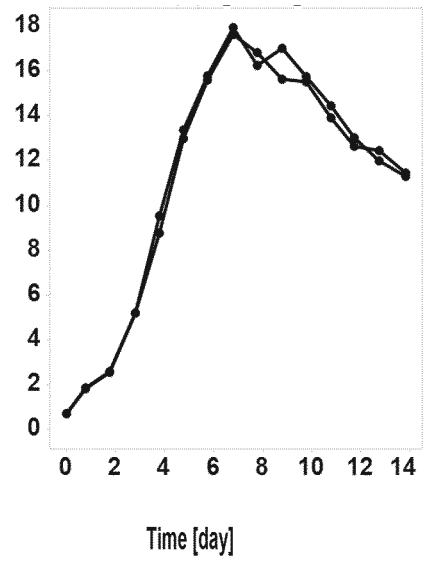
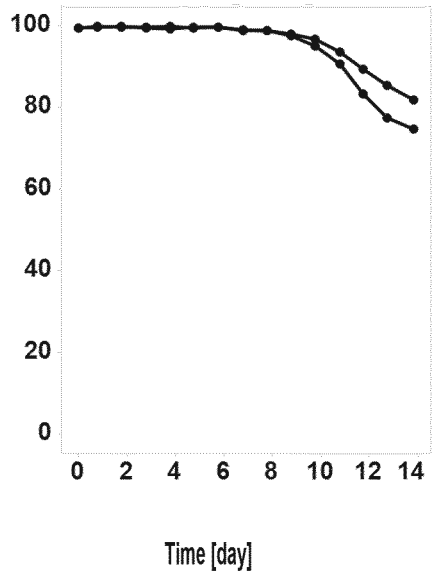

(A) Viable Cell Conc. [e5 c/mL]
(B) Viability [%]
(C) Product Conc. [mg/L]
(D) Product Conc. [mg/L]
run time [d]
run time [d]
run time [d]
run time [d]

FIGURE 9

(A) Viable Cell Conc. [e^6 c/mL]



(B) Viability [%]



(C) Product Conc. [mg/L]

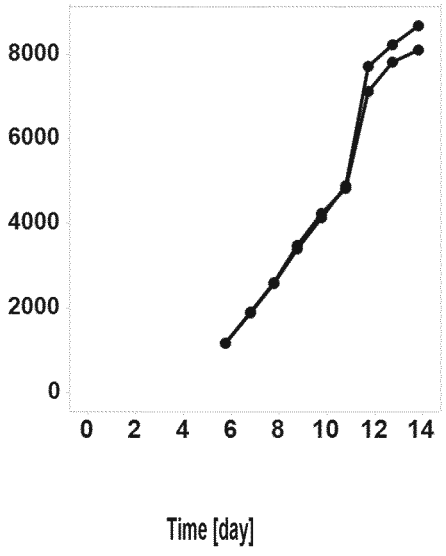


FIGURE 10