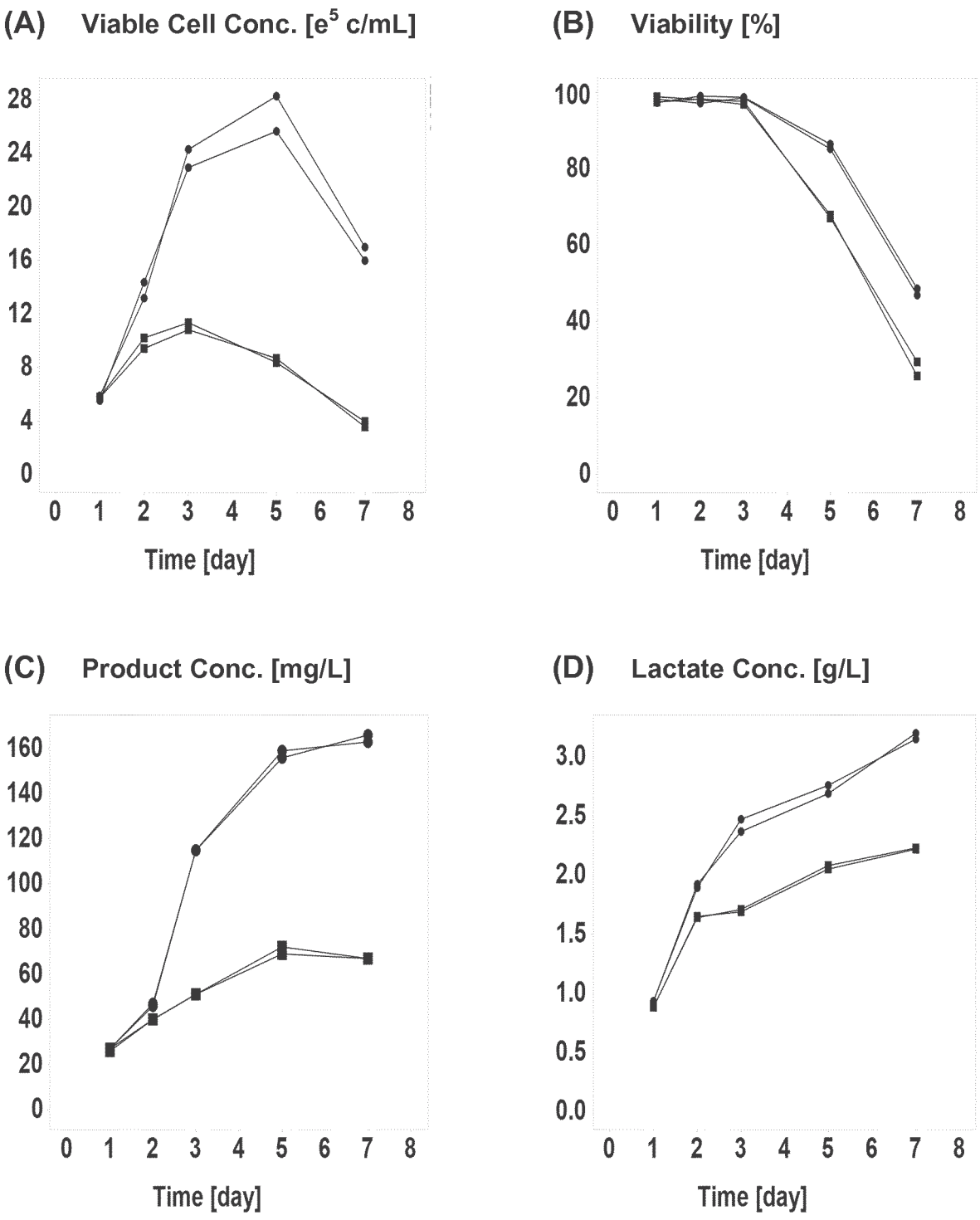

(A) Viable Cell Conc. [e5 c/mL]
28
24
20
16
12
8
4
0
0 1 2 3 4 5 6 7 8
Time [day]
(B) Viability [%]
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8
Time [day]
(C) Product Conc. [mg/L]
160
140
120
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8
Time [day]
(D) Lactate Conc. [g/L]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0 1 2 3 4 5 6 7 8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

FIGURE 1

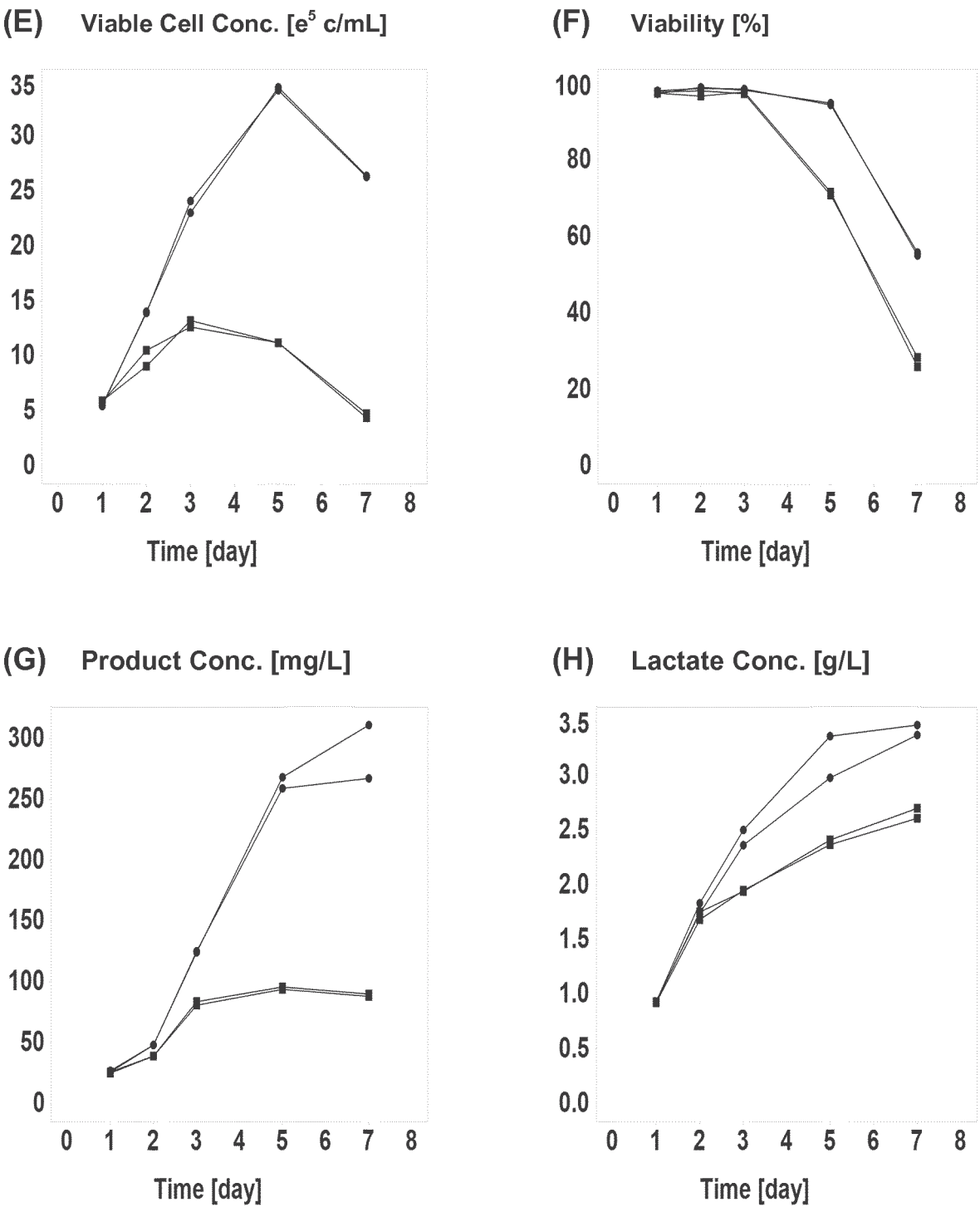


FIGURE 1 CONT'D

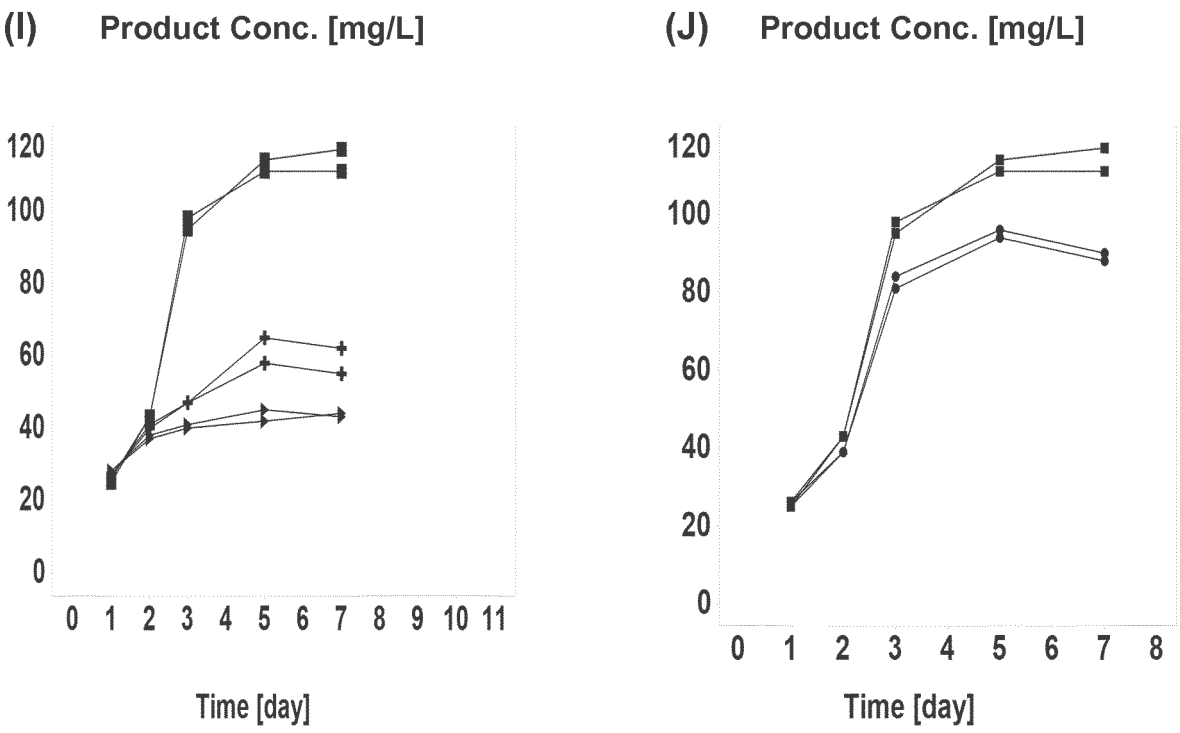


FIGURE 1 CONT'D

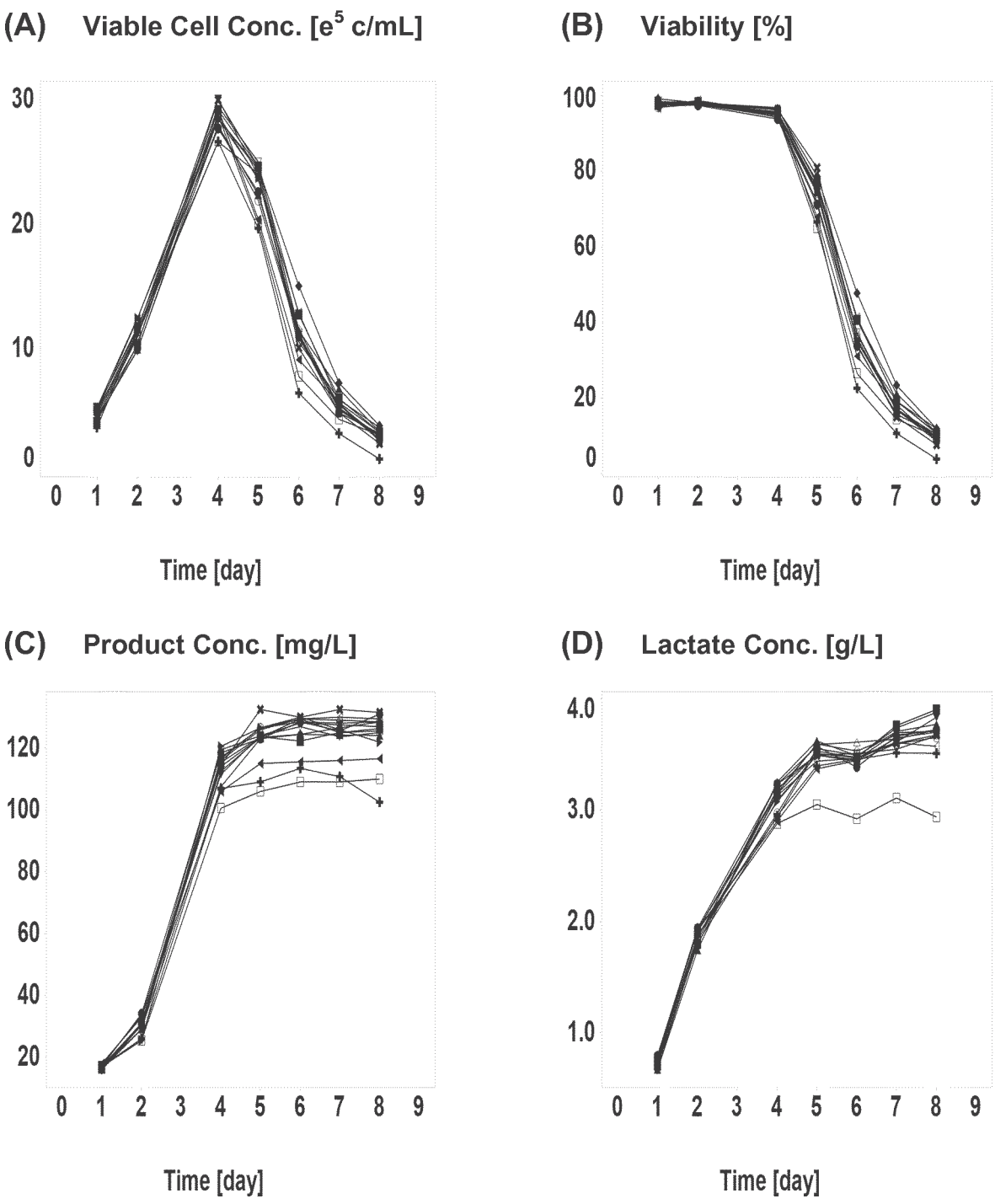
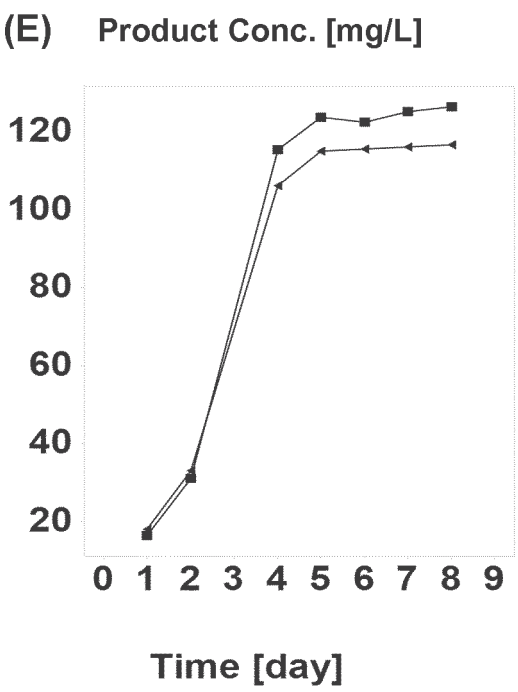
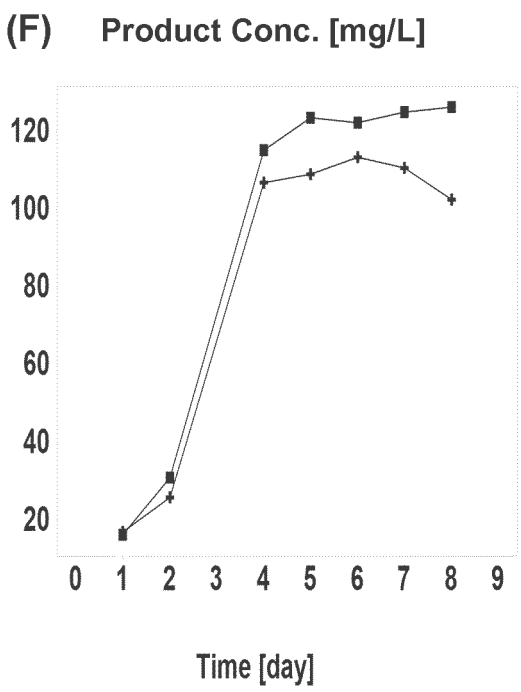

(A) Viable Cell Conc. [e5 c/mL]
30
20
10
0
0 1 2 3 4 5 6 7 8 9
Time [day]
(B) Viability [%]
100
80
60
40
20
0
0 1 2 3 4 5 6 7 8 9
Time [day]
(C) Product Conc. [mg/L]
120
100
80
60
40
20
0 1 2 3 4 5 6 7 8 9
Time [day]
(D) Lactate Conc. [g/L]
4.0
3.0
2.0
1.0
0 1 2 3 4 5 6 7 8 9
Time [day]

FIGURE 2





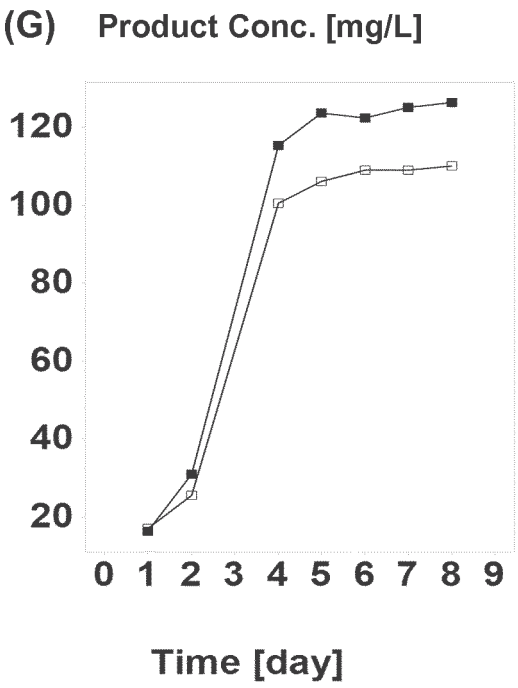


FIGURE 2 CONT'D

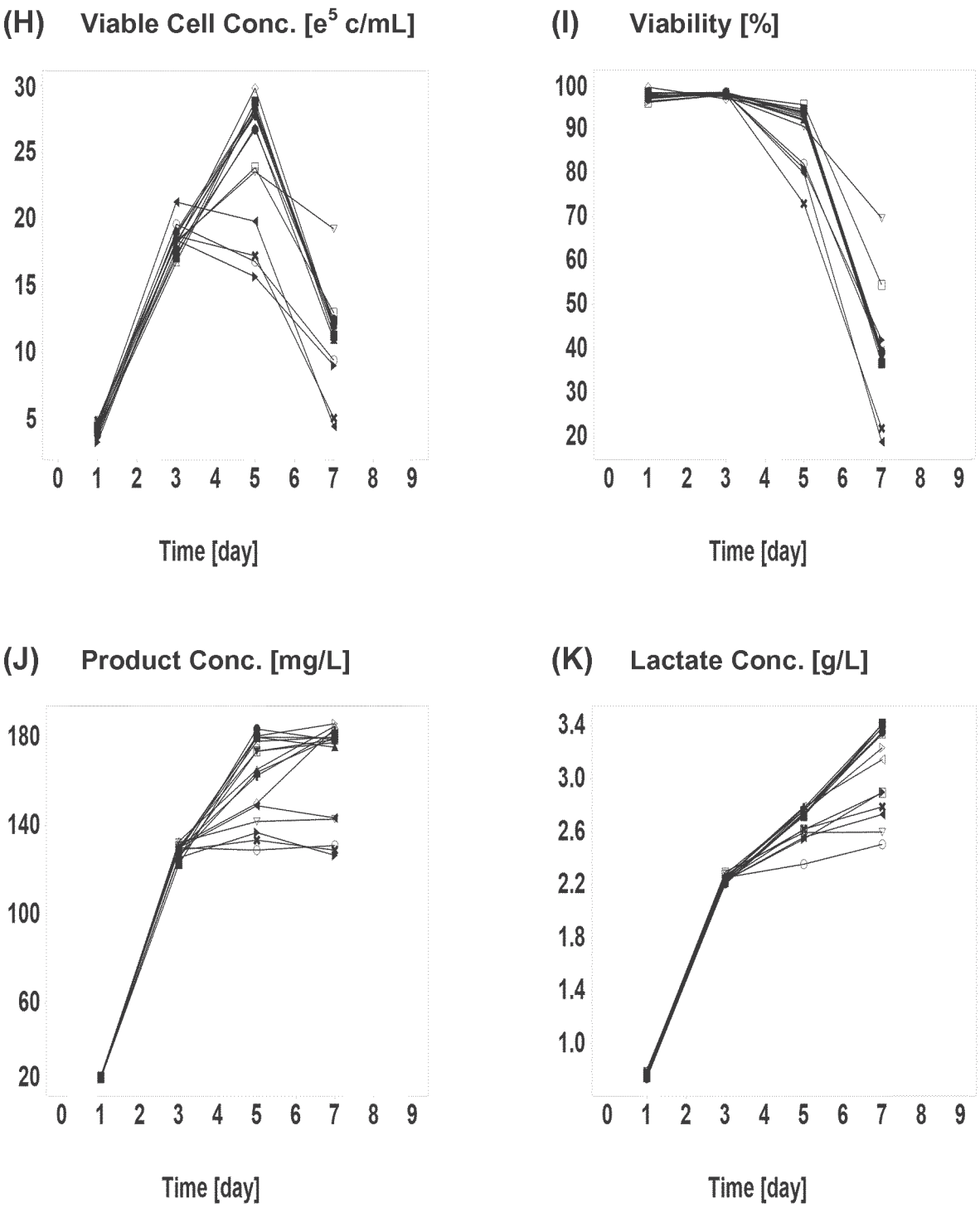


FIGURE 2 CONT'D

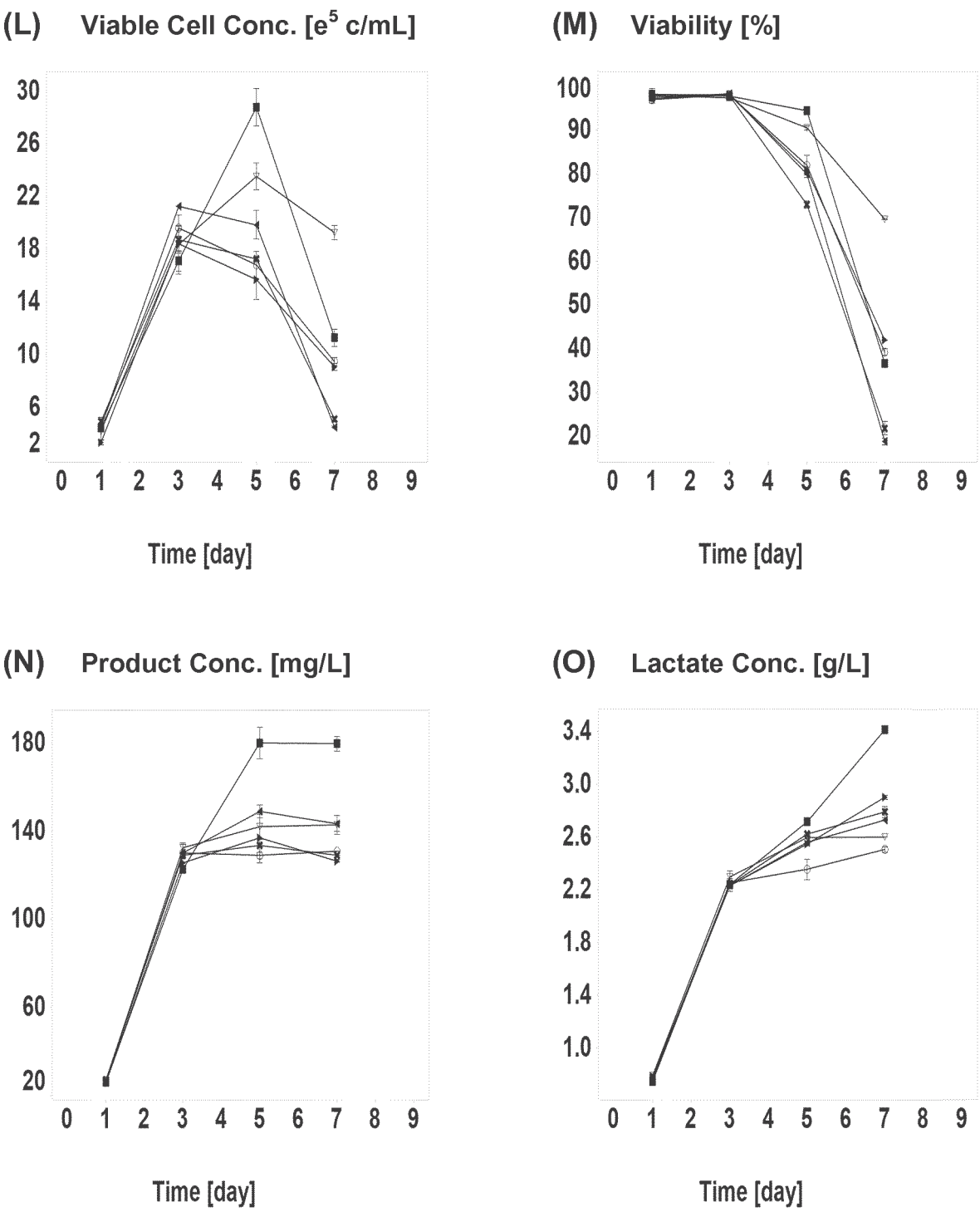


FIGURE 2 CONT'D

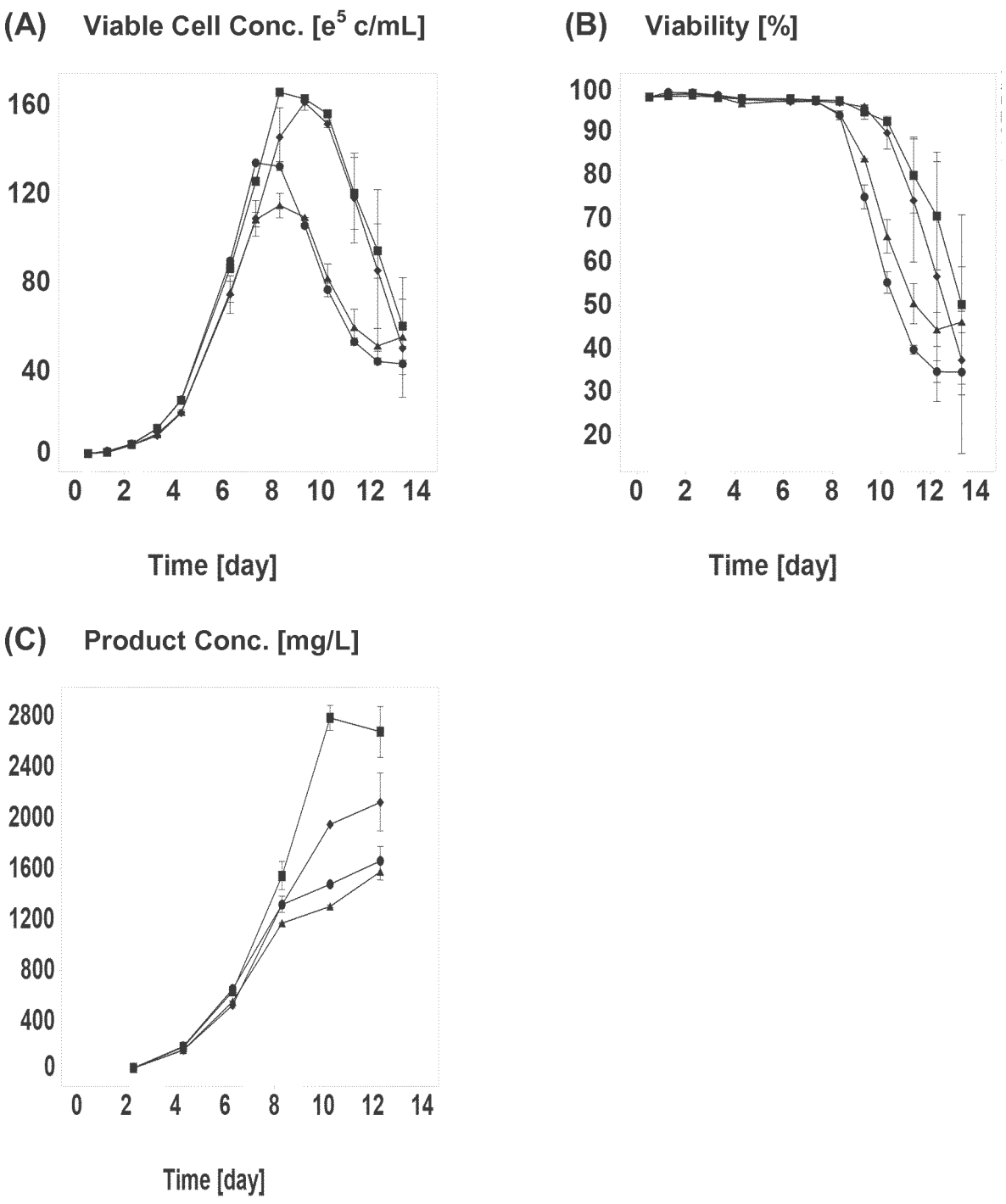
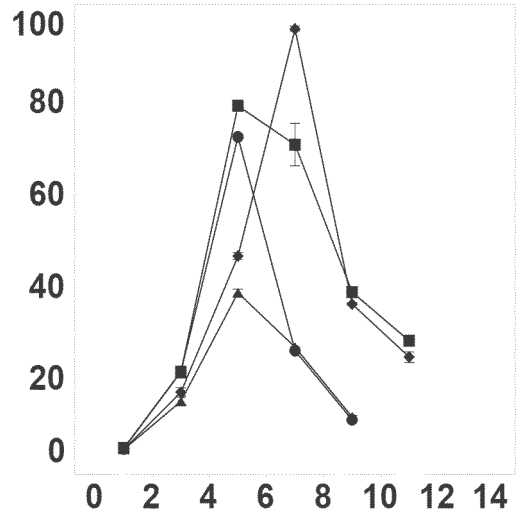
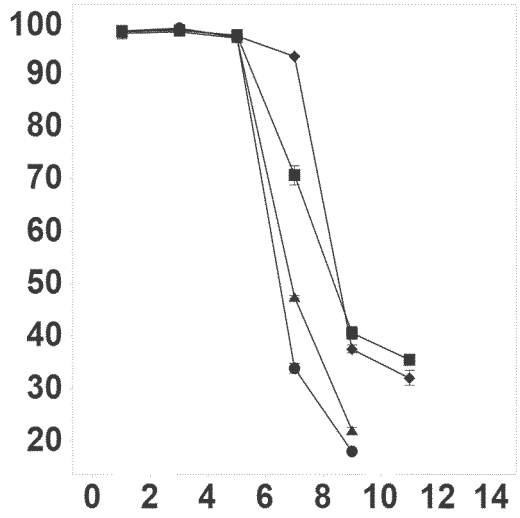

(A) Viable Cell Conc. [e5 c/mL]
160
120
80
40
0
0 2 4 6 8 10 12 14
Time [day]
(B) Viability [%]
100
90
80
70
60
50
40
30
20
0 2 4 6 8 10 12 14
Time [day]
(C) Product Conc. [mg/L]
2800
2400
2000
1600
1200
800
400
0
0 2 4 6 8 10 12 14
Time [day]

FIGURE 4

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



(E) Viability [%]



(F) Product Conc. [mg/L]

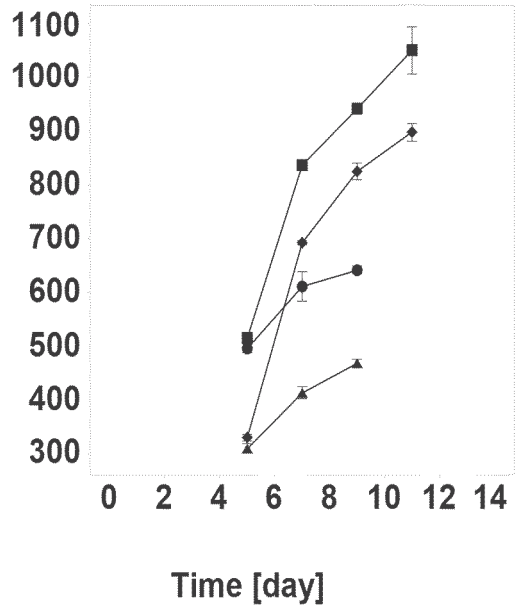


FIGURE 4 CONT'D

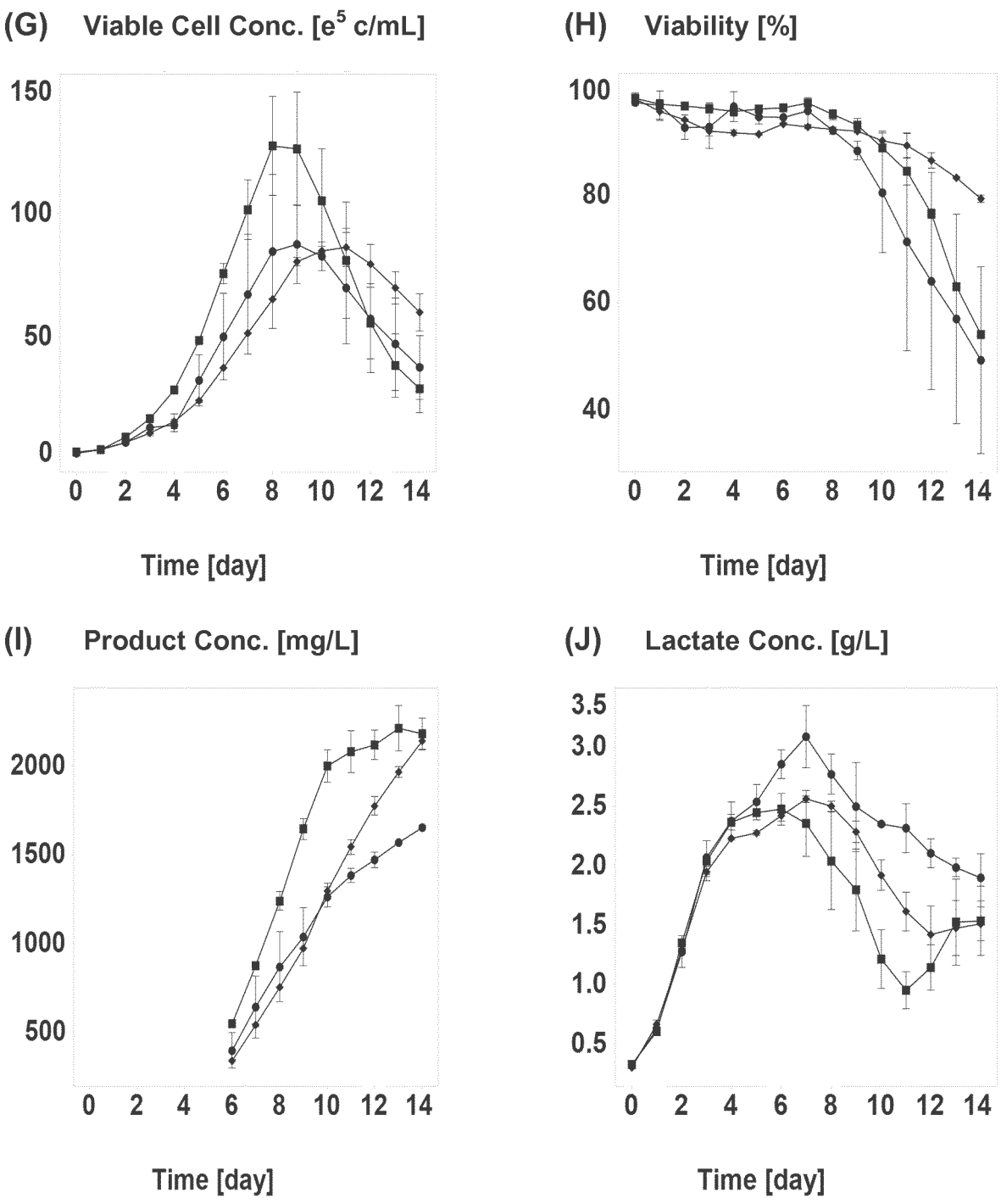
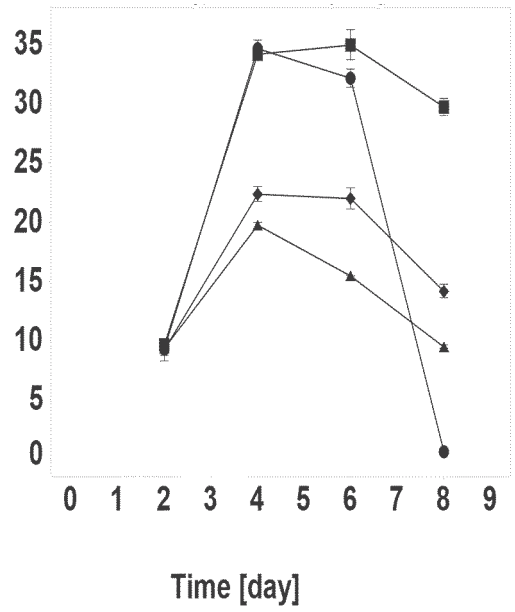
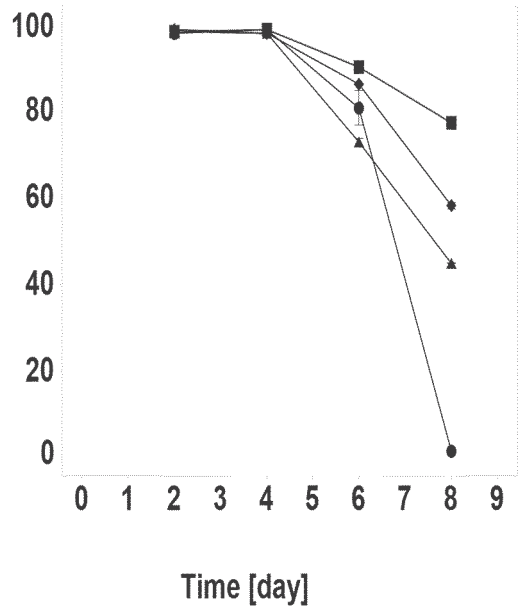


FIGURE 4 CONT'D

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



(L) Viability [%]



(M) Product Conc. [mg/L]

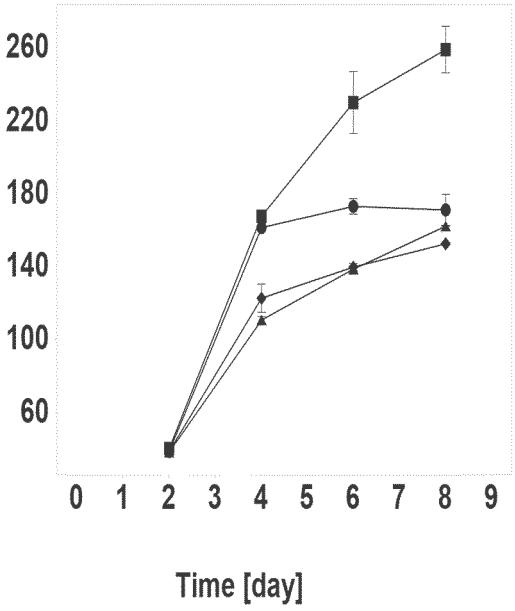
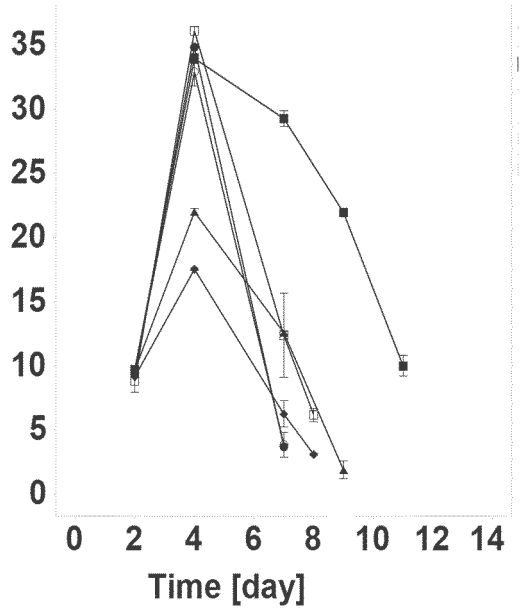
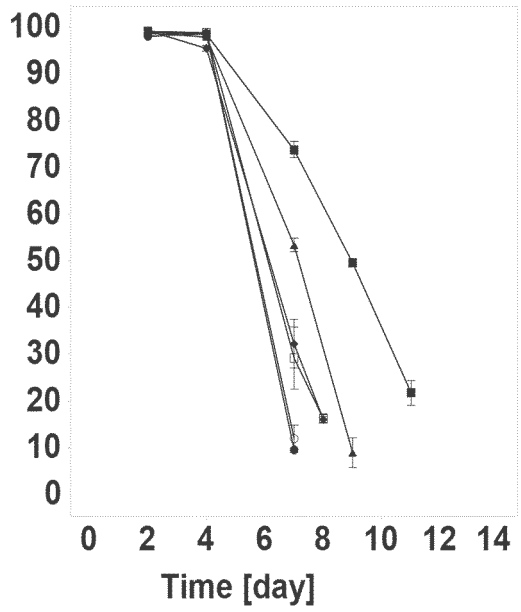


FIGURE 4 CONT'D

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



(O) Viability [%]



(P) Product Conc. [mg/L]

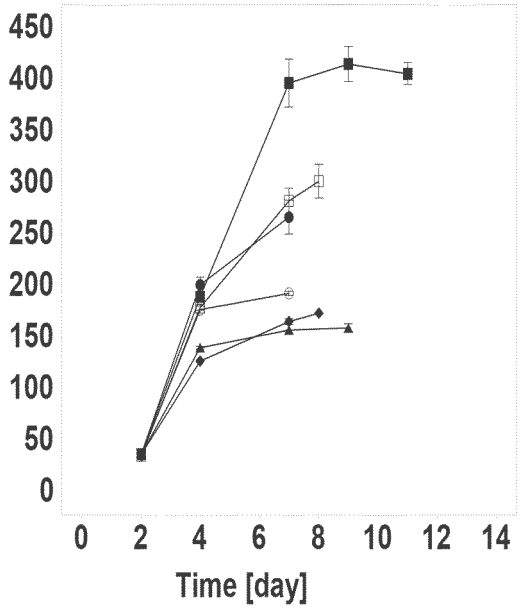


FIGURE 4 CONT'D

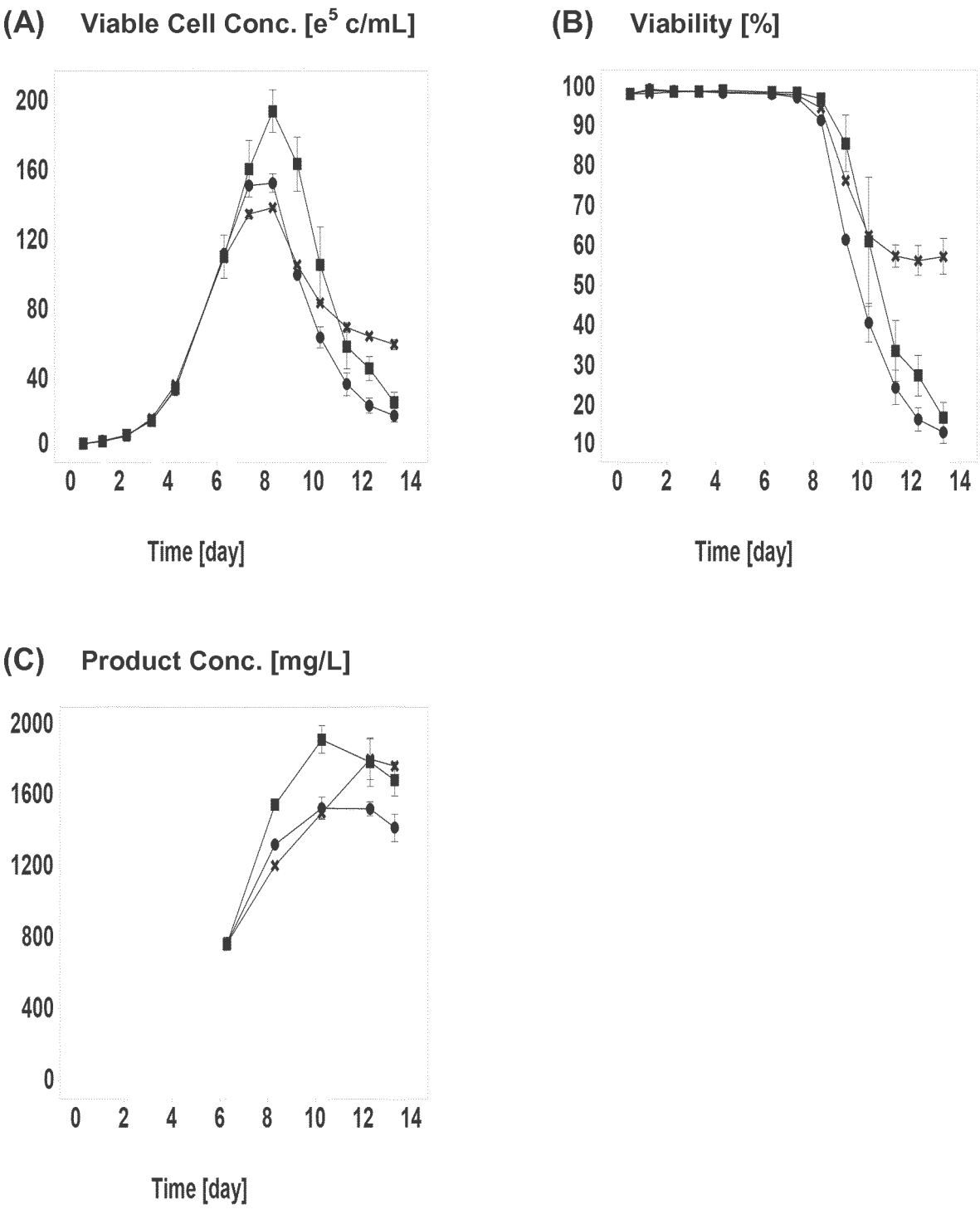
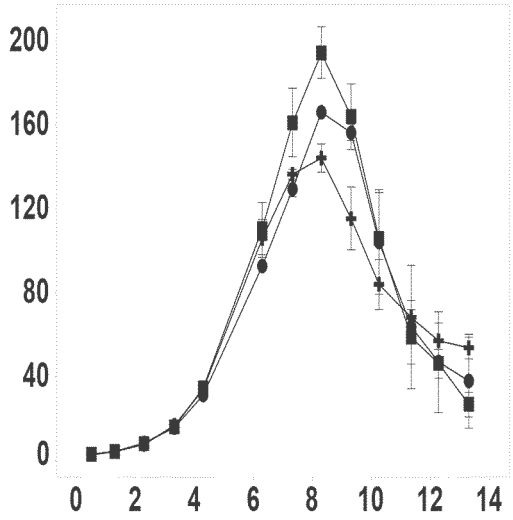
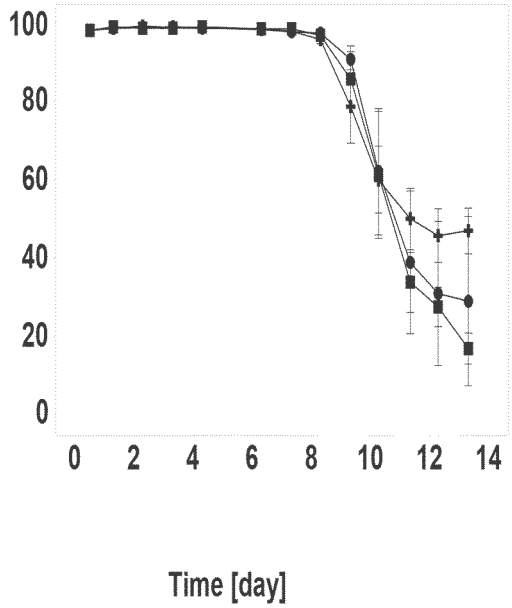

(A) Viable Cell Conc. [e5 c/mL]
200
160
120
80
40
0
0 2 4 6 8 10 12 14
Time [day]
(B) Viability [%]
100
90
80
70
60
50
40
30
20
10
0 2 4 6 8 10 12 14
Time [day]
(C) Product Conc. [mg/L]
2000
1600
1200
800
400
0
0 2 4 6 8 10 12 14
Time [day]

FIGURE 5

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



(E) Viability [%]



(F) Product Conc. [mg/L]

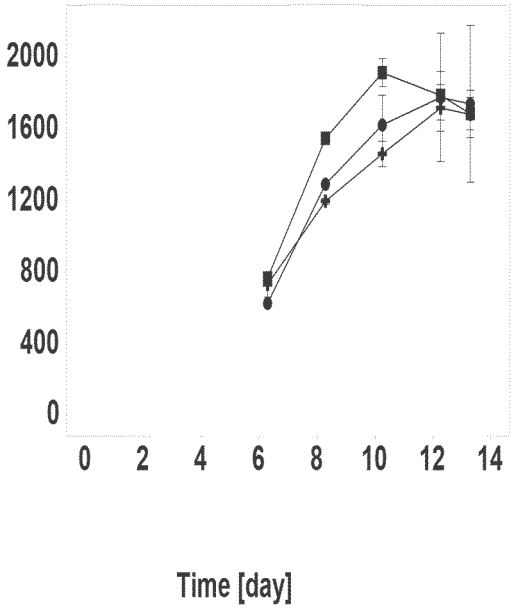
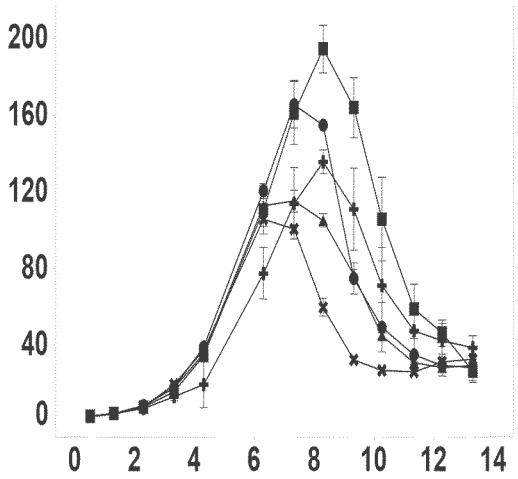
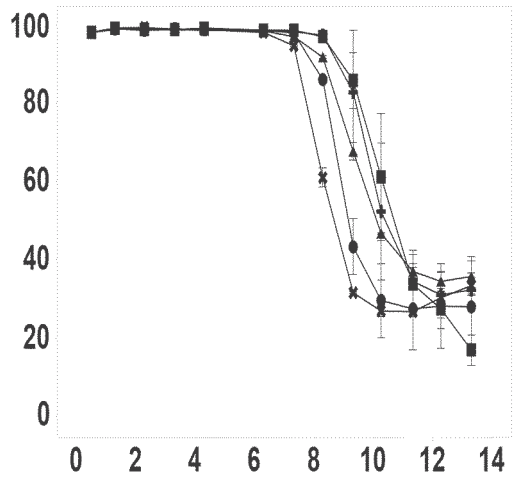


FIGURE 5 CONT'D

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



(H) Viability [%]



(I) Product Conc. [mg/L]

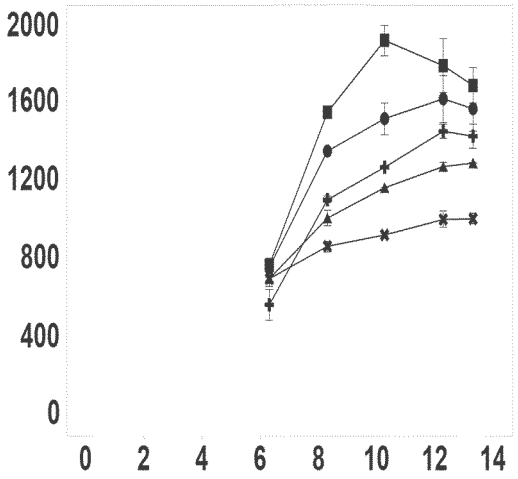


FIGURE 5 CONT'D