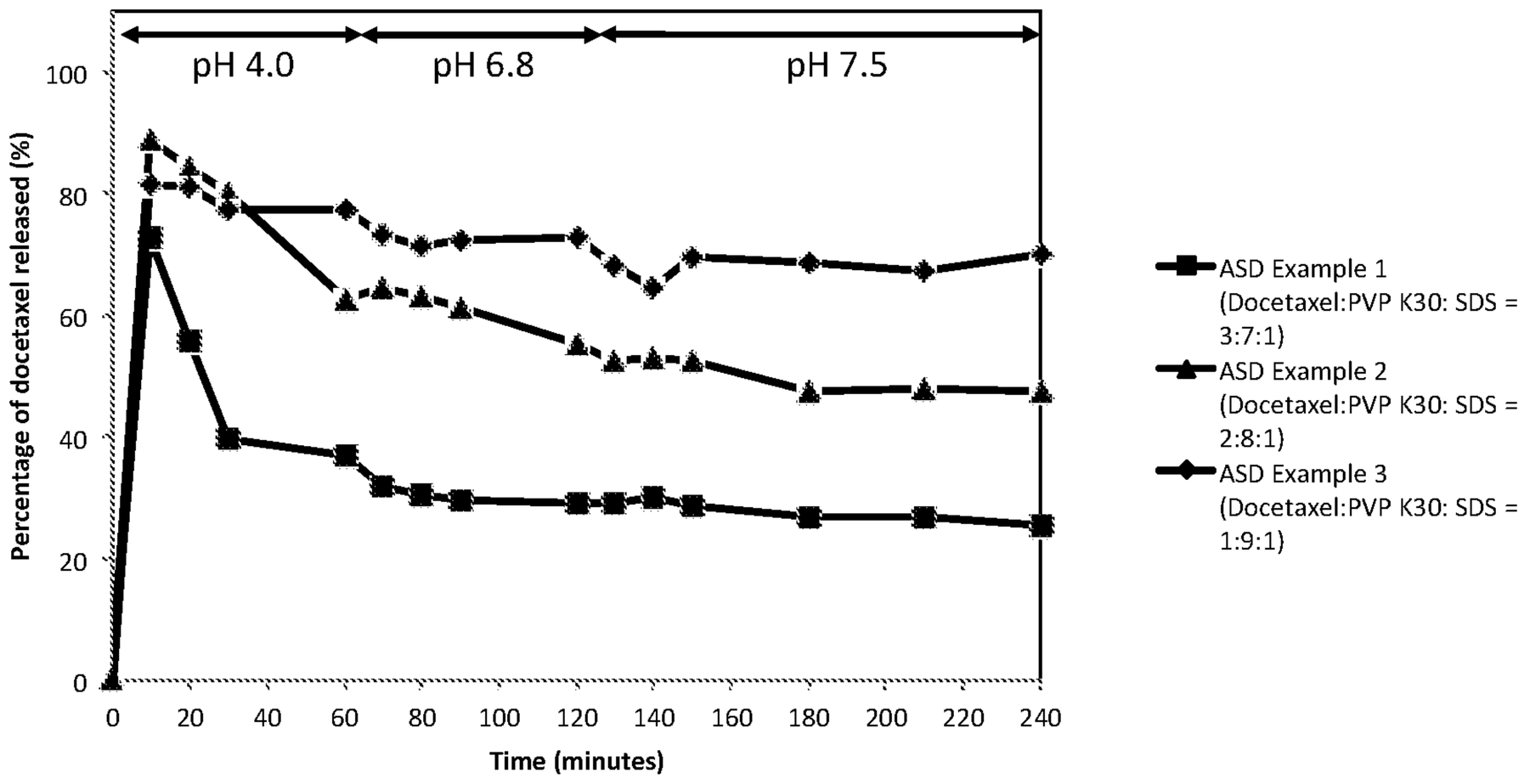

pH 4.0
pH 6.8
pH 7.5
Percentage of docetaxel released (%)
0
20
40
60
80
100
0
20
40
60
80
100
120
140
160
180
200
220
240
Time (minutes)
ASD Example 1 (Docetaxel:PVP K30: SDS = 3:7:1)
ASD Example 2 (Docetaxel:PVP K30: SDS = 2:8:1)
ASD Example 3 (Docetaxel:PVP K30: SDS = 1:9:1)

FIG. 1

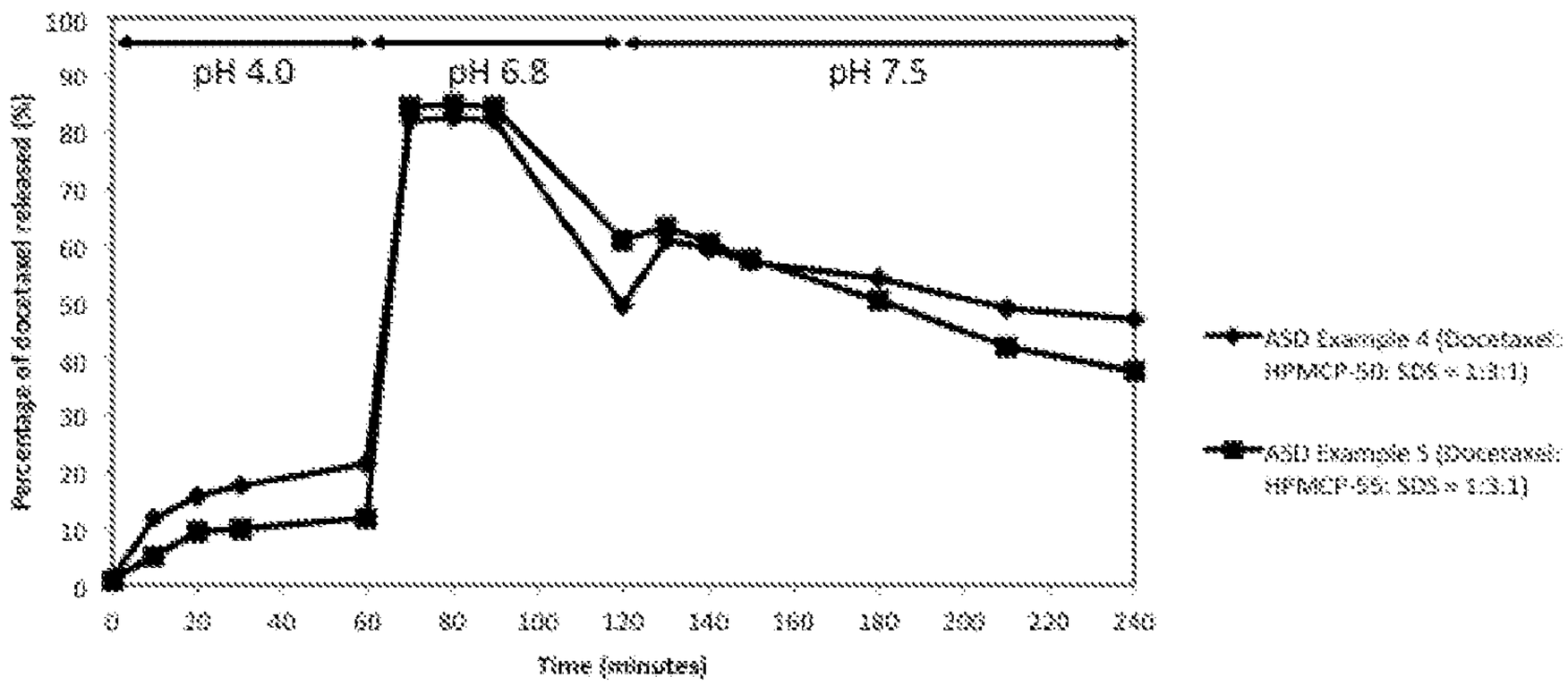

pH 4.0
pH 6.8
pH 7.5
Percentage of docetaxel released (%)
Time (minutes)
ASD Example 4 (Docetaxel: HPMCP-50: SDS = 1:3:1)
ASD Example 5 (Docetaxel: HPMCP-55: SDS = 1:3:1)

FIG. 2A

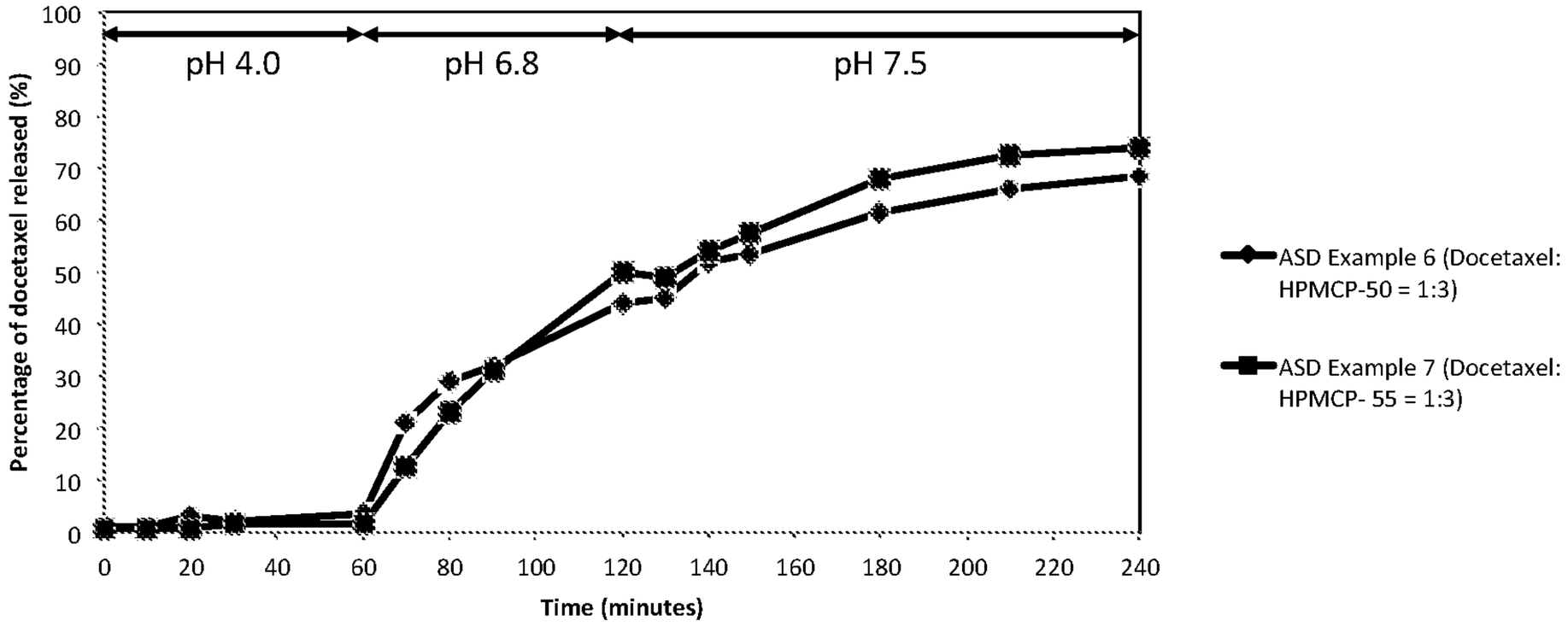

pH 4.0
pH 6.8
pH 7.5
Percentage of docetaxel released (%)
Time (minutes)
ASD Example 6 (Docetaxel: HPMCP-50 = 1:3)
ASD Example 7 (Docetaxel: HPMCP- 55 = 1:3)

FIG. 2B

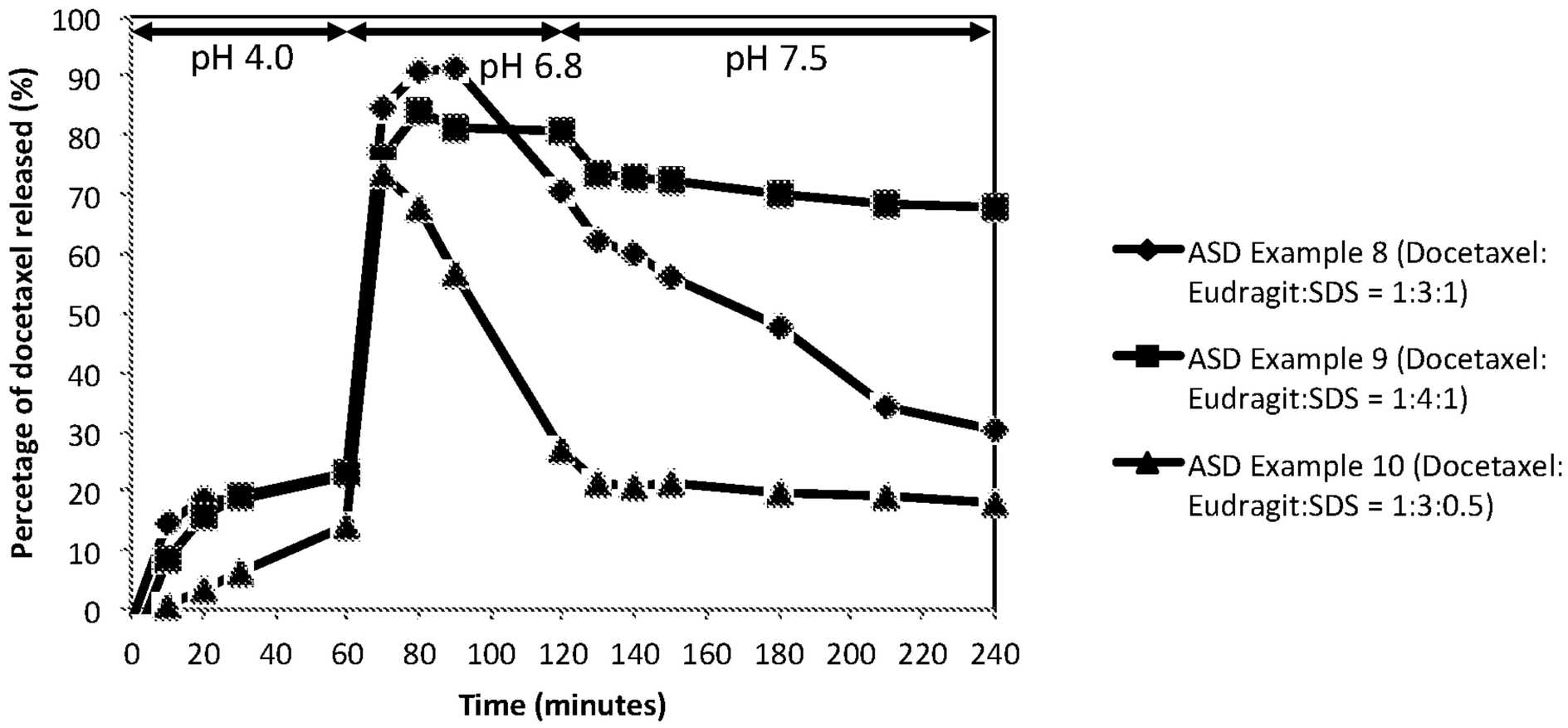

pH 4.0
pH 6.8
pH 7.5
Percetage of docetaxel released (%)
Time (minutes)
ASD Example 8 (Docetaxel: Eudragit:SDS = 1:3:1)
ASD Example 9 (Docetaxel: Eudragit:SDS = 1:4:1)
ASD Example 10 (Docetaxel: Eudragit:SDS = 1:3:0.5)

FIG. 3A

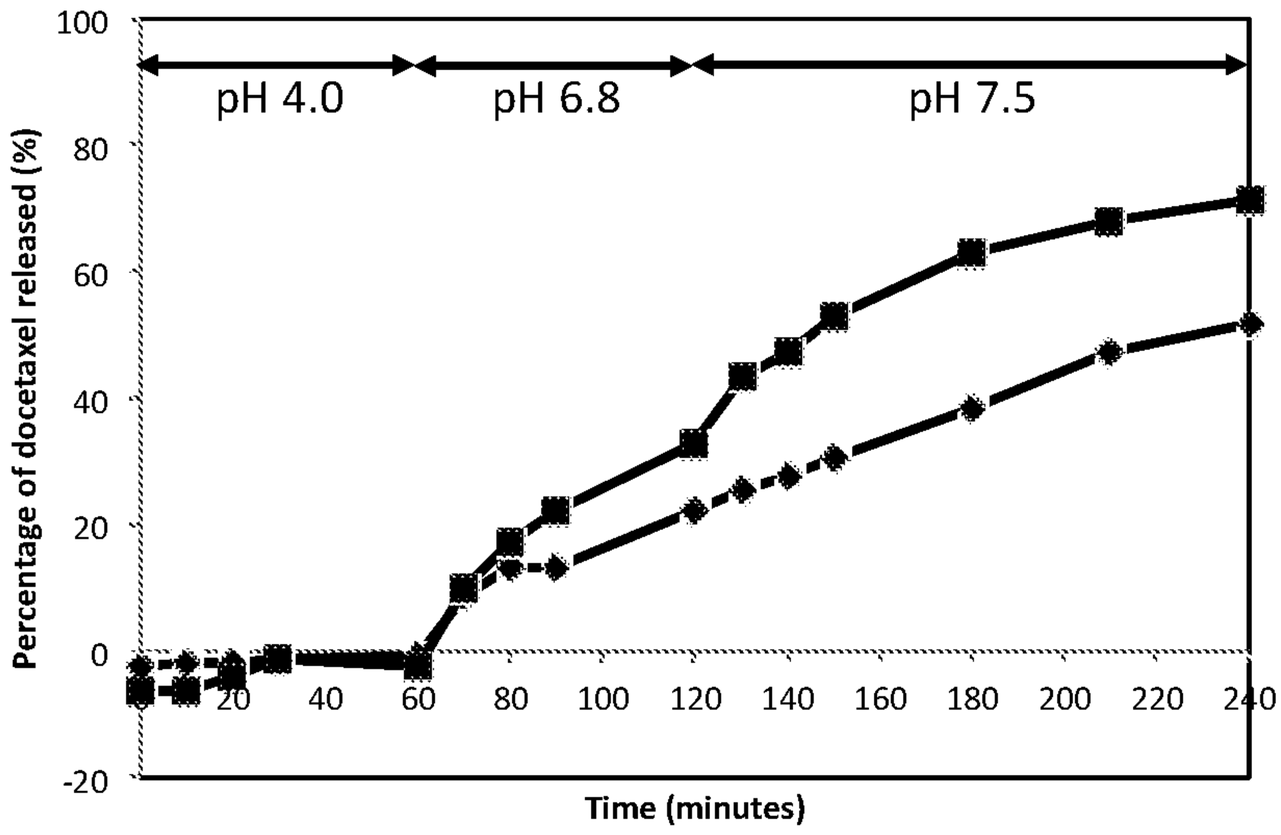

pH 4.0
pH 6.8
pH 7.5
Percentage of docetaxel released (%)
Time (minutes)
ASD Example 11 (Docetaxel: Eudragit = 1:3)
ASD Example 12 (Docetaxel: Eudragit = 1:4)

FIG. 3B

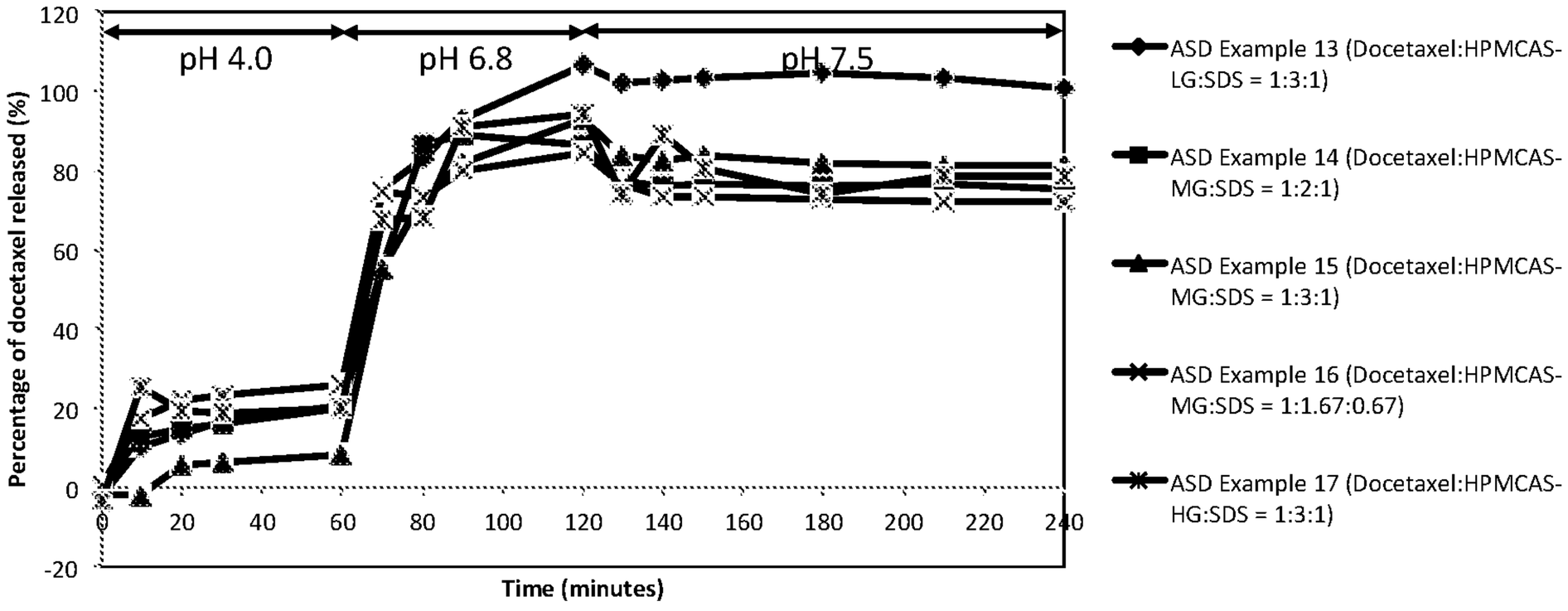

pH 4.0
pH 6.8
pH 7.5
Percentage of docetaxel released (%)
Time (minutes)
ASD Example 13 (Docetaxel:HPMCAS-LG:SDS = 1:3:1)
ASD Example 14 (Docetaxel:HPMCAS-MG:SDS = 1:2:1)
ASD Example 15 (Docetaxel:HPMCAS-MG:SDS = 1:3:1)
ASD Example 16 (Docetaxel:HPMCAS-MG:SDS = 1:1.67:0.67)
ASD Example 17 (Docetaxel:HPMCAS-HG:SDS = 1:3:1)

FIG. 4A

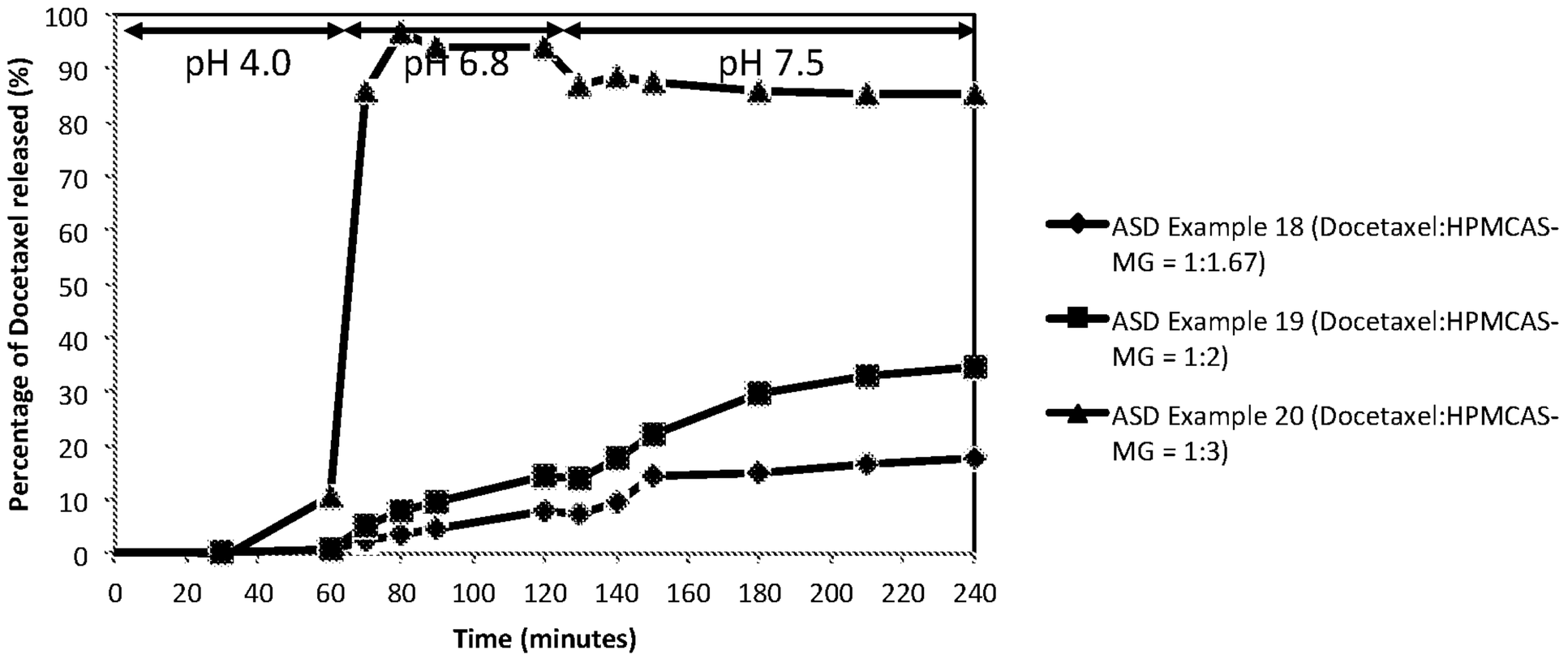

100
90
80
70
60
50
40
30
20
10
0
Percentage of Docetaxel released (%)
pH 4.0
pH 6.8
pH 7.5
0
20
40
60
80
100
120
140
160
180
200
220
240
Time (minutes)
ASD Example 18 (Docetaxel:HPMCAS-MG = 1:1.67)
ASD Example 19 (Docetaxel:HPMCAS-MG = 1:2)
ASD Example 20 (Docetaxel:HPMCAS-MG = 1:3)

FIG. 4B

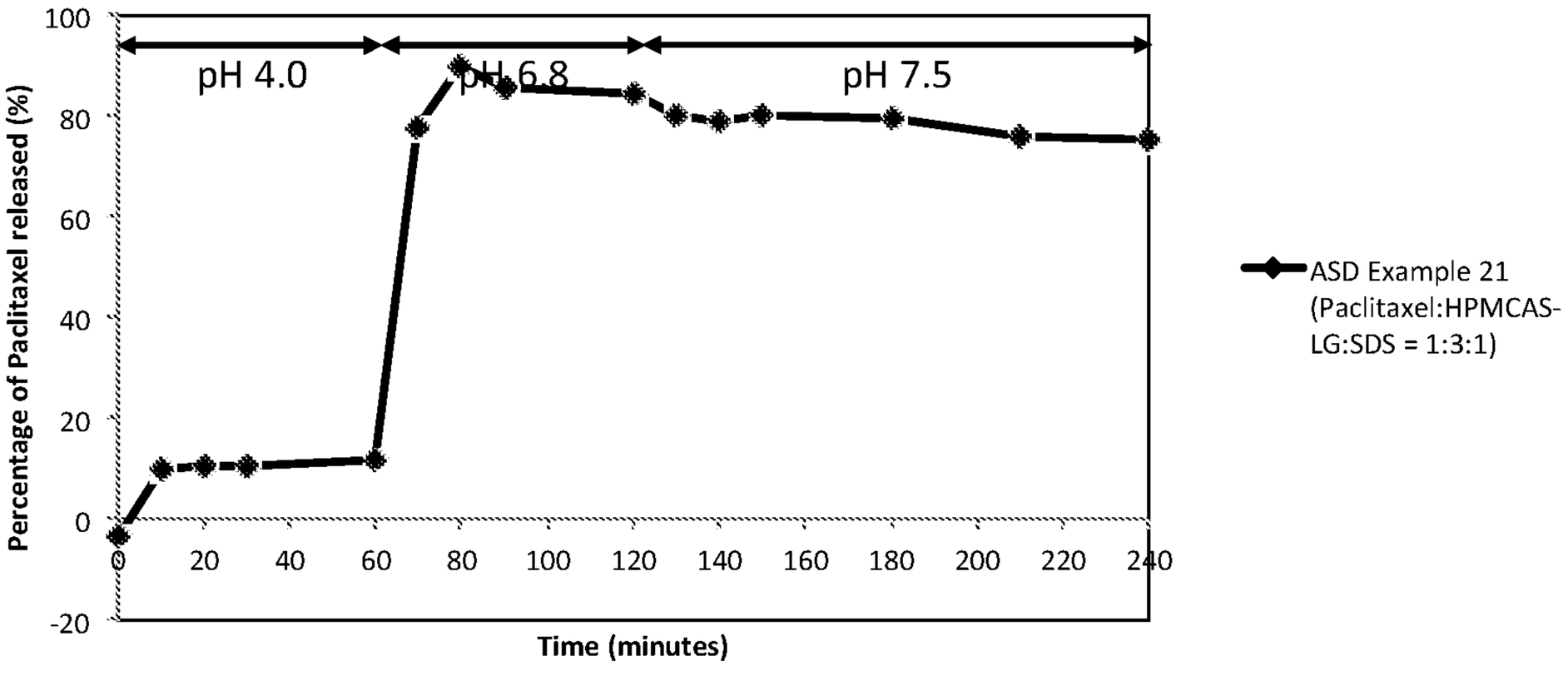

100
80
60
40
20
0
-20
Percentage of Paclitaxel released (%)
pH 4.0
pH 6.8
pH 7.5
0
20
40
60
80
100
120
140
160
180
200
220
240
Time (minutes)
ASD Example 21 (Paclitaxel:HPMCAS-LG:SDS = 1:3:1)

FIG. 5

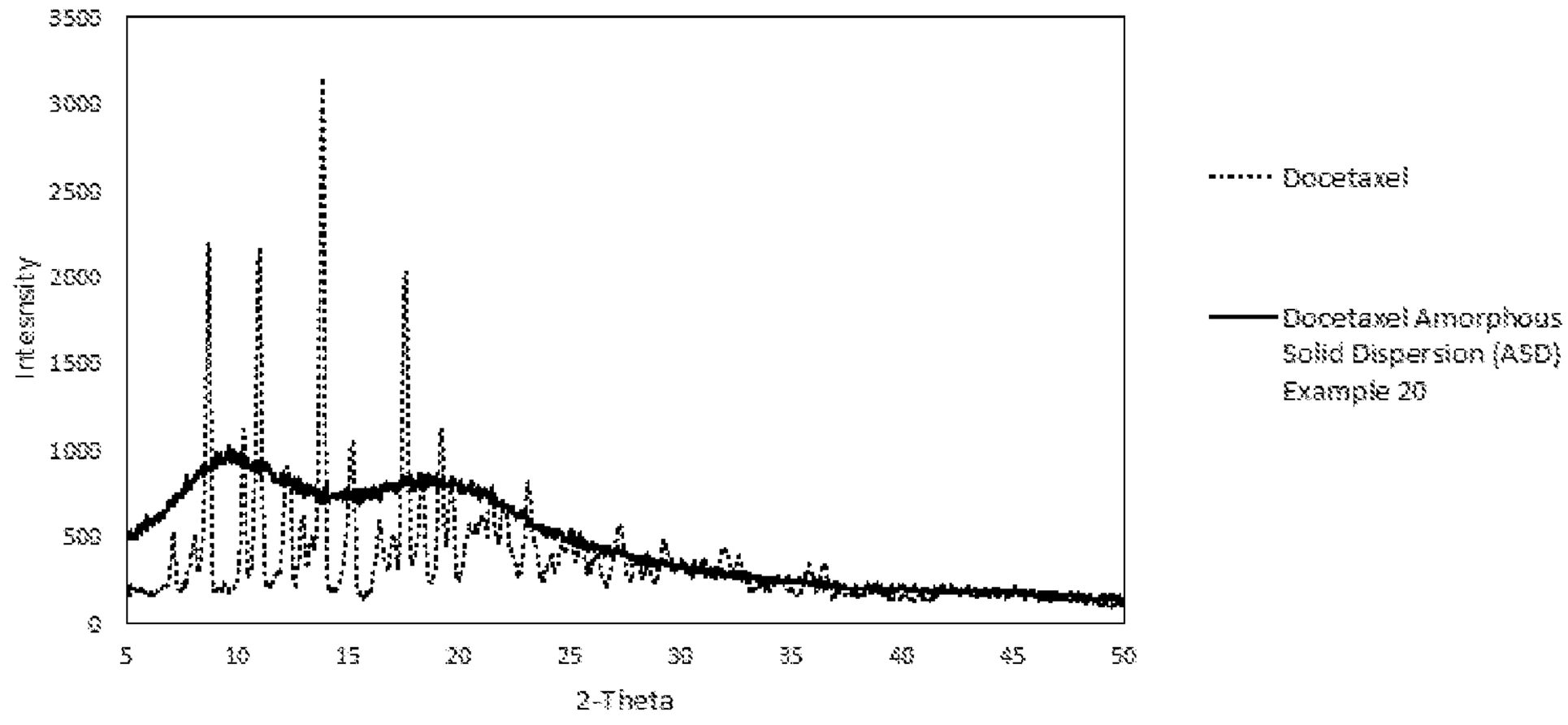

3500
3000
2500
2000
1500
1000
500
0
Intesnsity
5
10
15
20
25
30
35
40
45
50
2-Theta
Docetaxel
Docetaxel Amorphous Solid Dispersion (ASD) Example 20

FIG. 6A

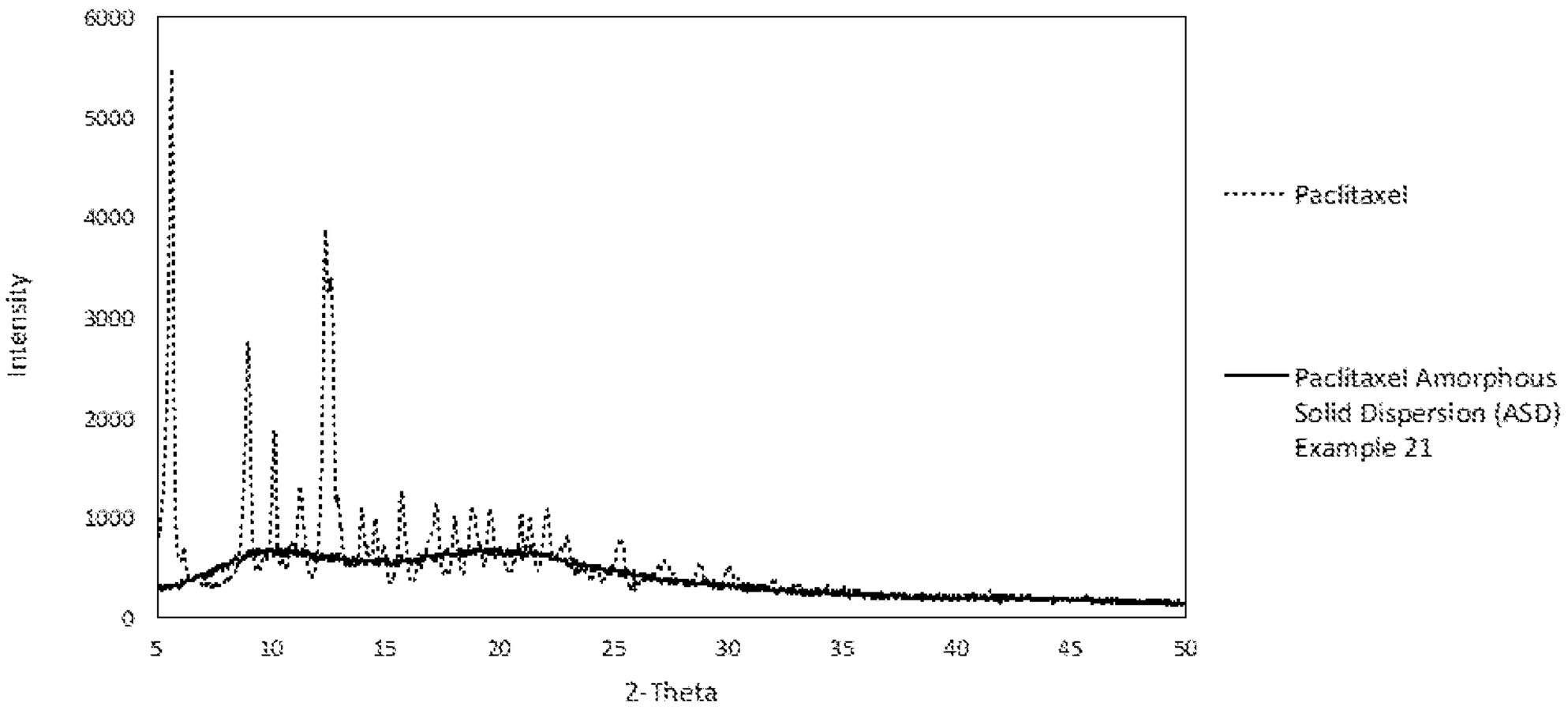

6000
5000
4000
3000
2000
1000
0
Intensity
5
10
15
20
25
30
35
40
45
50
2-Theta
Paclitaxel
Paclitaxel Amorphous Solid Dispersion (ASD) Example 21

FIG. 6B

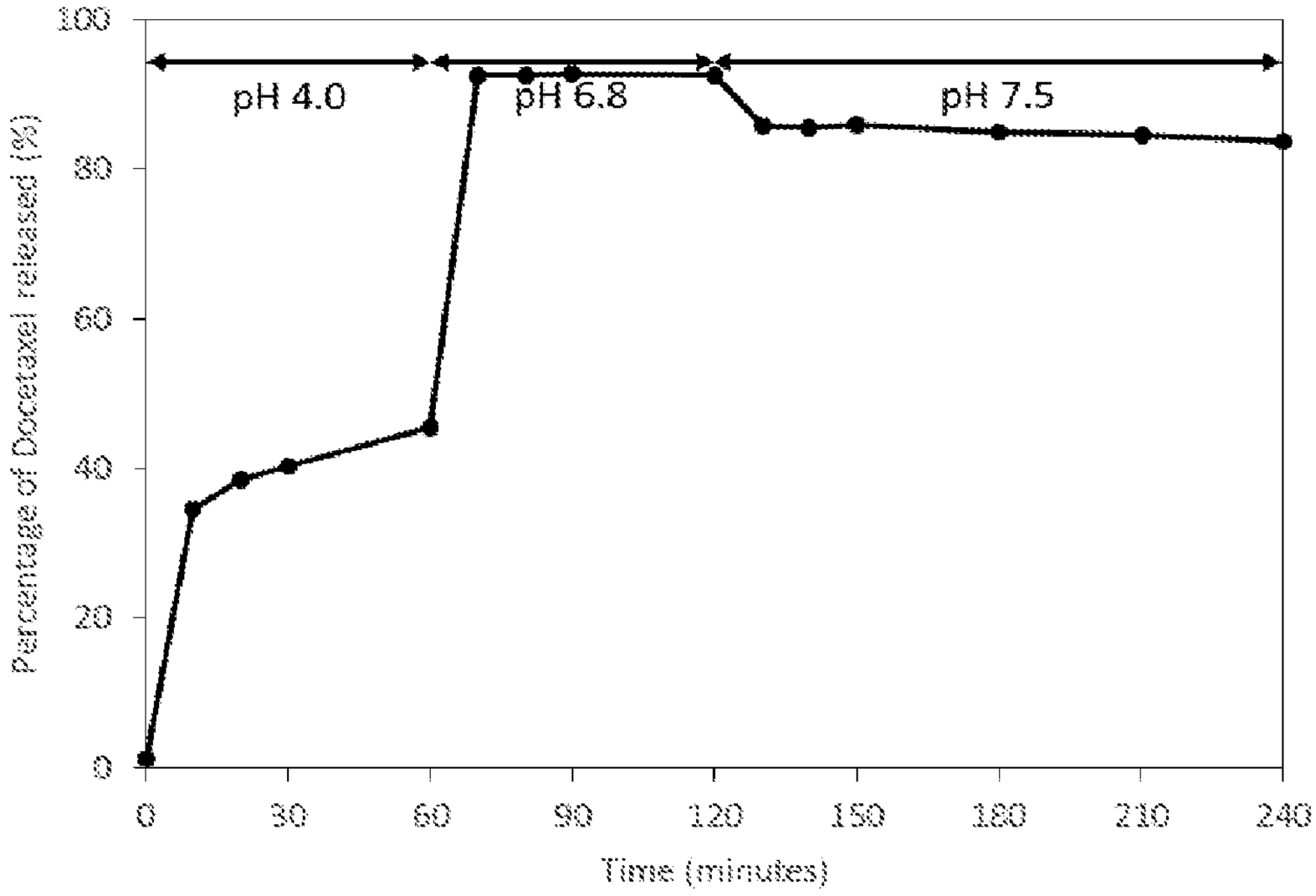

100
80
60
40
20
0
Percentage of Docetaxel released (%)
pH 4.0
pH 6.8
pH 7.5
0
30
60
90
120
150
180
210
240
Time (minutes)

FIG. 7A

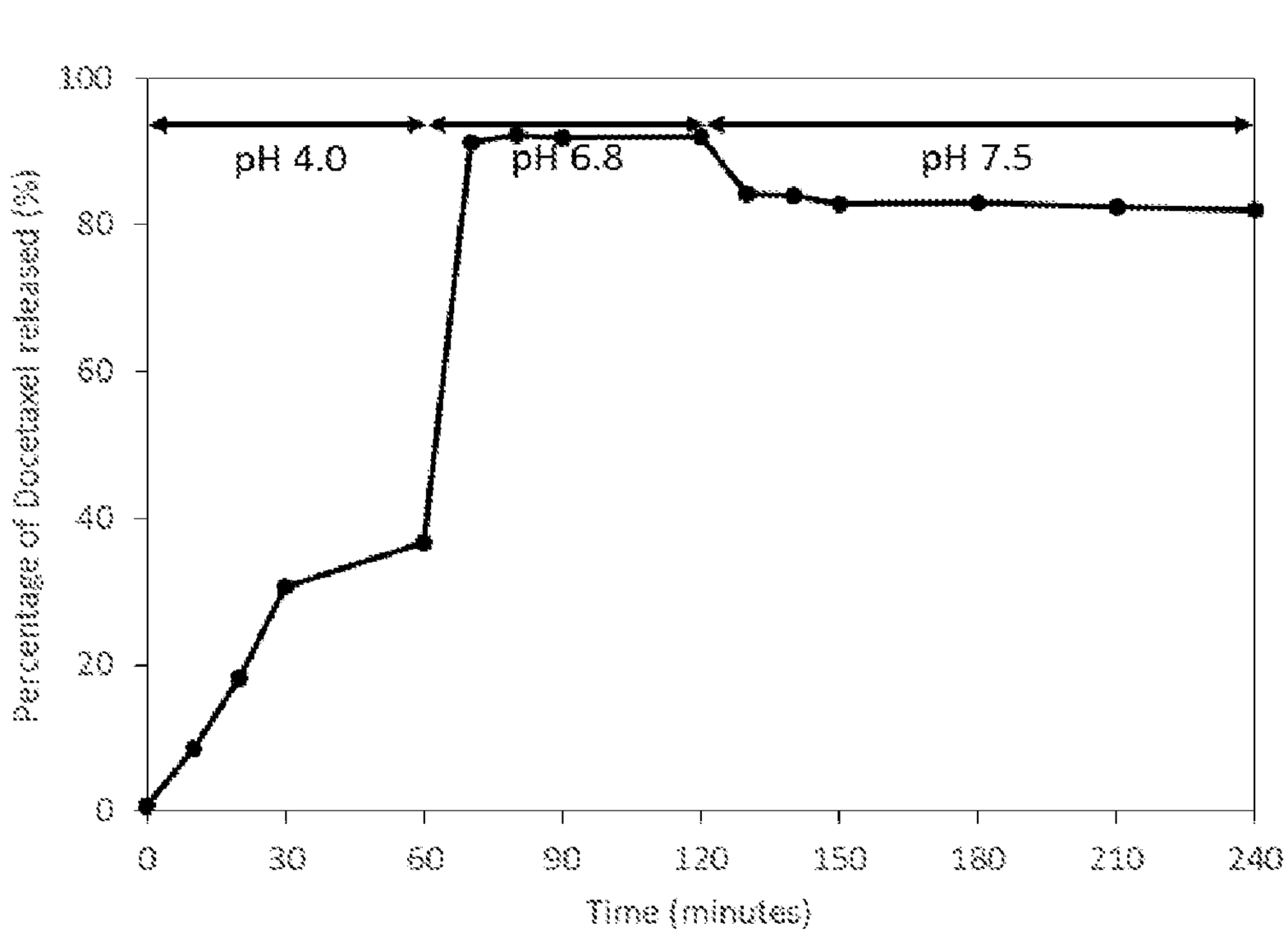

100
80
60
40
20
0
Percentage of Docetaxel released (%)
pH 4.0
pH 6.8
pH 7.5
0
30
60
90
120
150
180
210
240
Time (minutes)

FIG. 7B

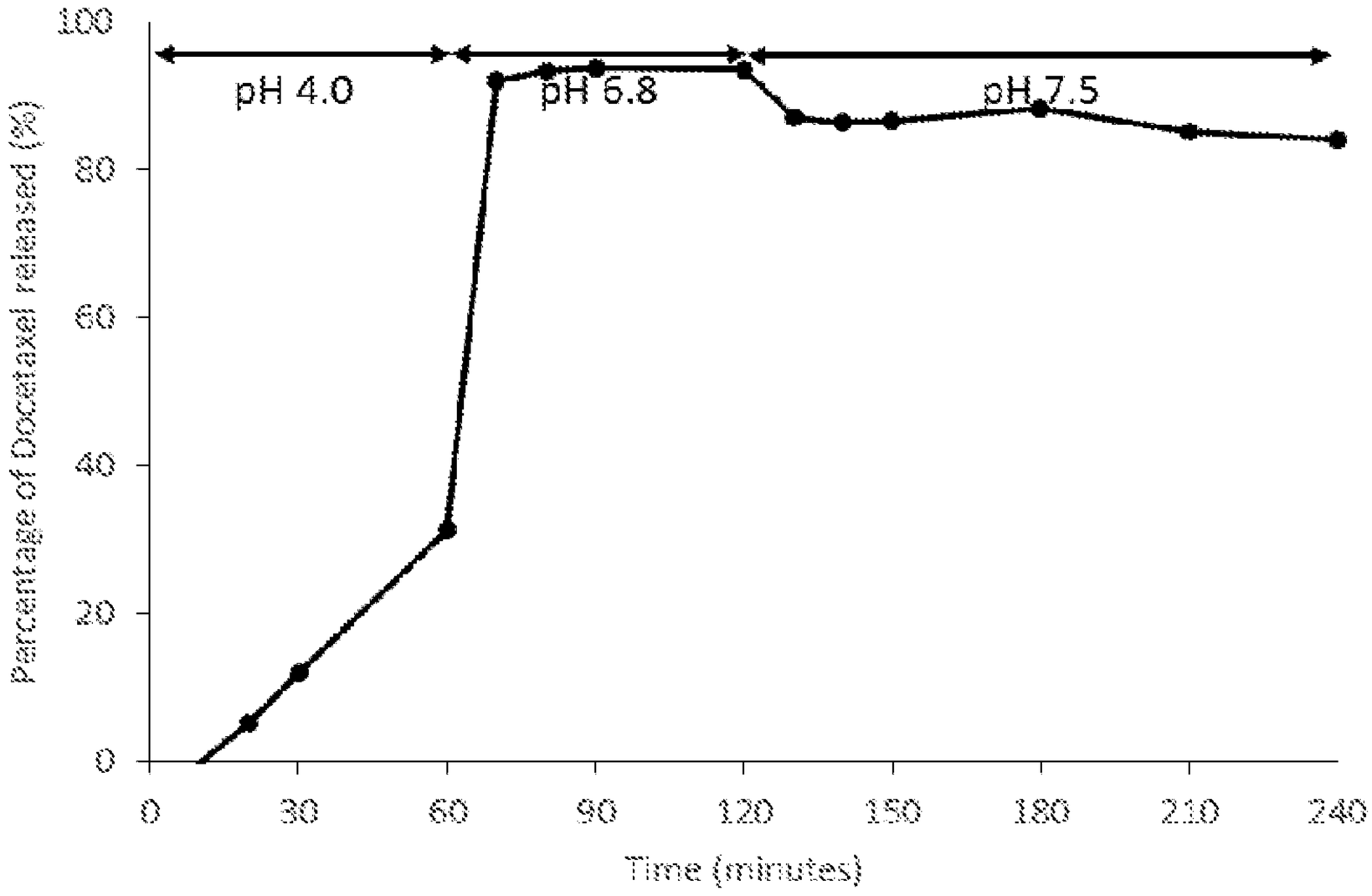

pH 4.0
pH 6.8
pH 7.5
Percentage of Docetaxel released (%)
0
20
40
60
80
100
0
30
60
90
120
150
180
210
240
Time (minutes)

FIG. 7C

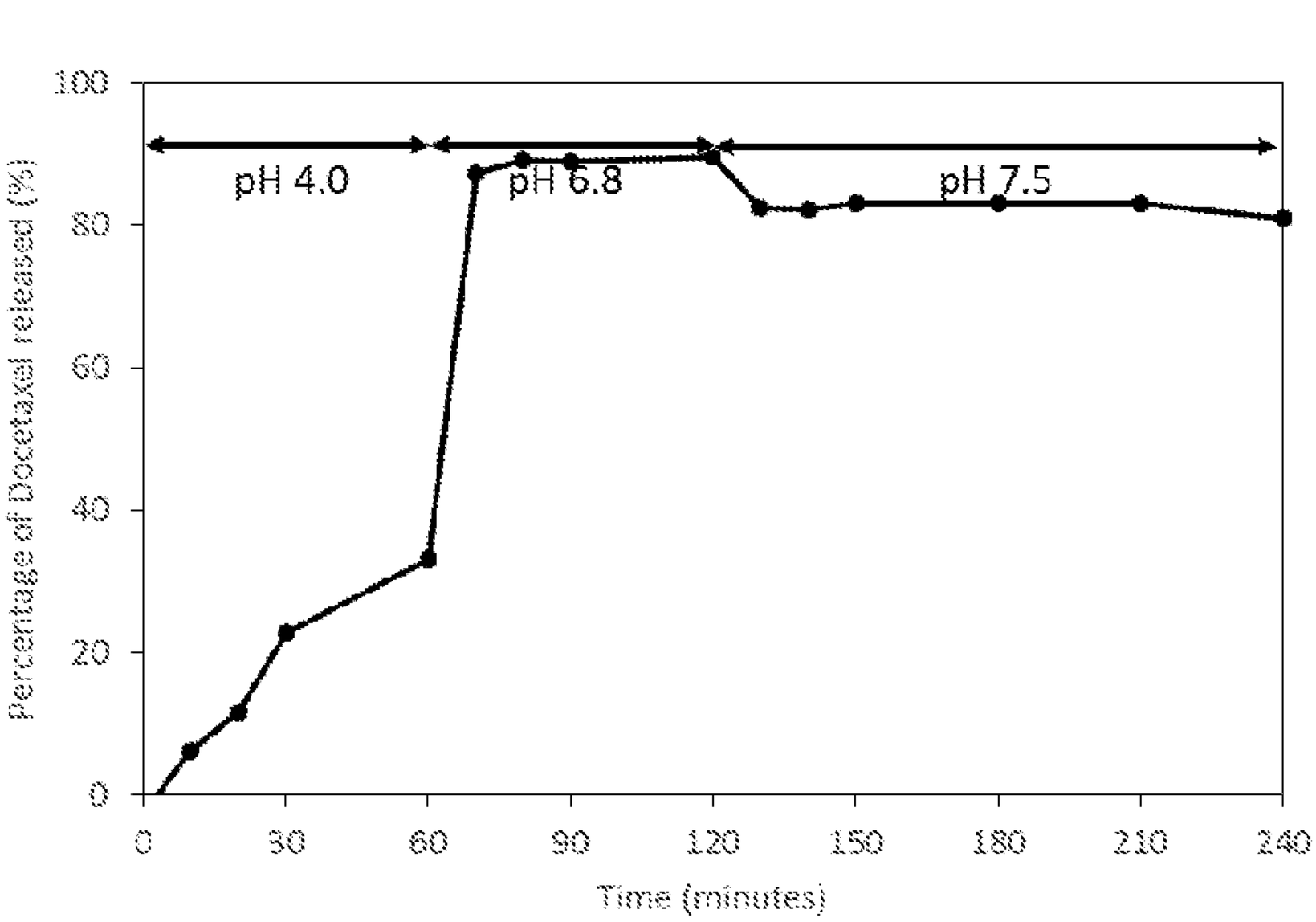

pH 4.0
pH 6.8
pH 7.5
Percentage of Docetaxel released (%)
0
20
40
60
80
100
0
30
60
90
120
150
180
210
240
Time (minutes)

FIG. 7D

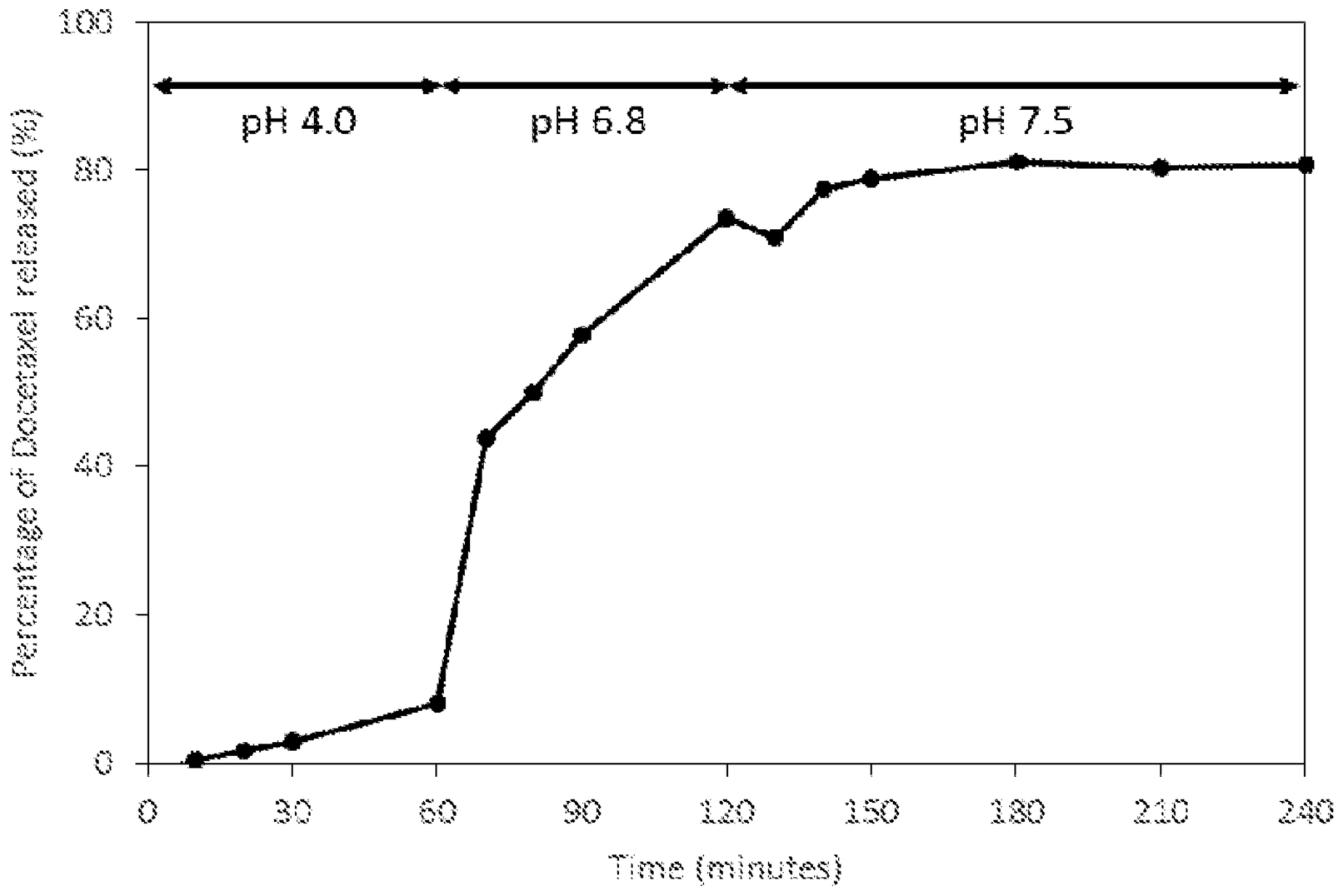

100
80
60
40
20
0
Percentage of Docetaxel released (%)
pH 4.0
pH 6.8
pH 7.5
0
30
60
90
120
150
180
210
240
Time (minutes)

FIG. 7E

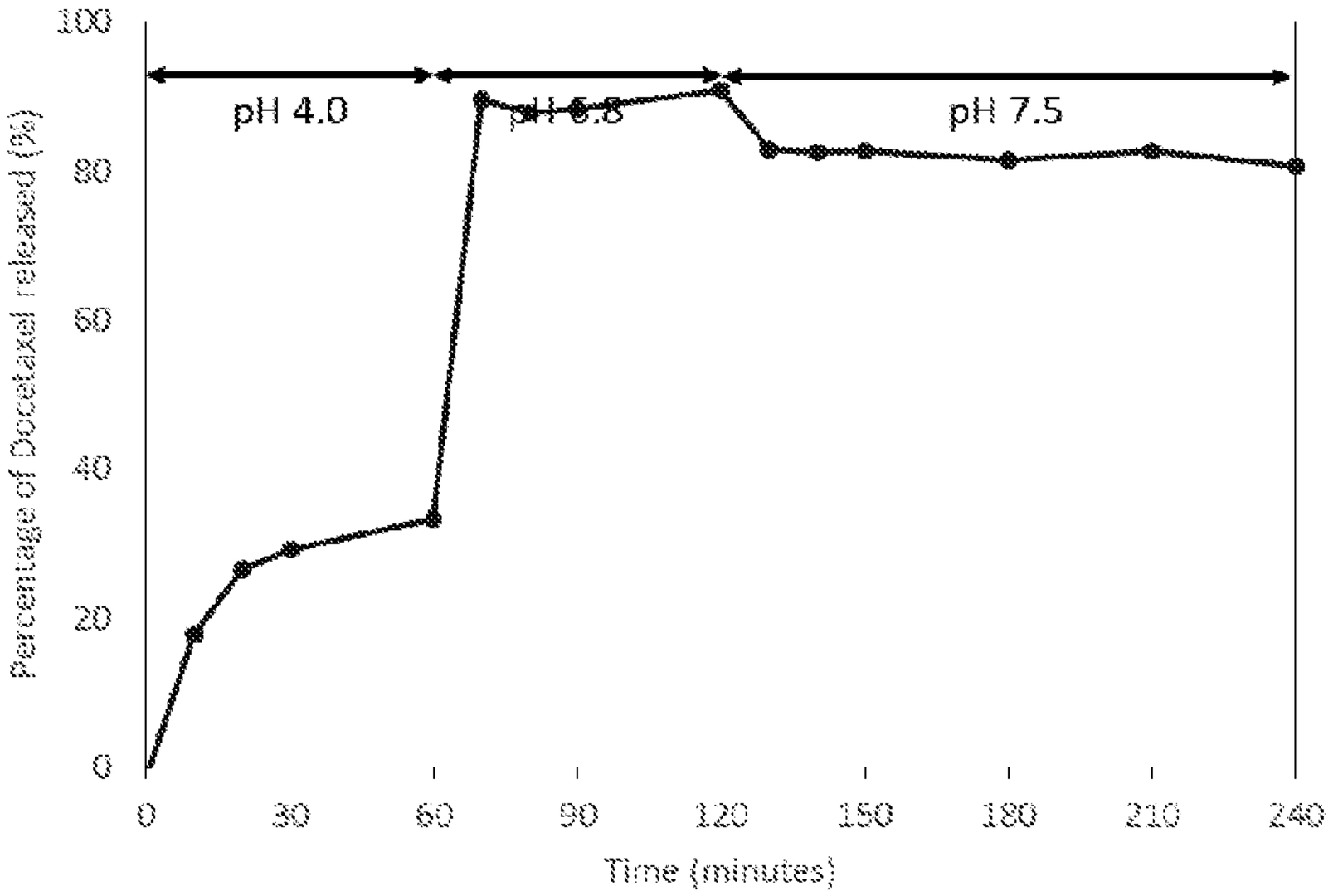

100
80
60
40
20
0
Percentage of Docetaxel released (%)
pH 4.0
pH 6.8
pH 7.5
0
30
60
90
120
150
180
210
240
Time (minutes)

FIG. 7F

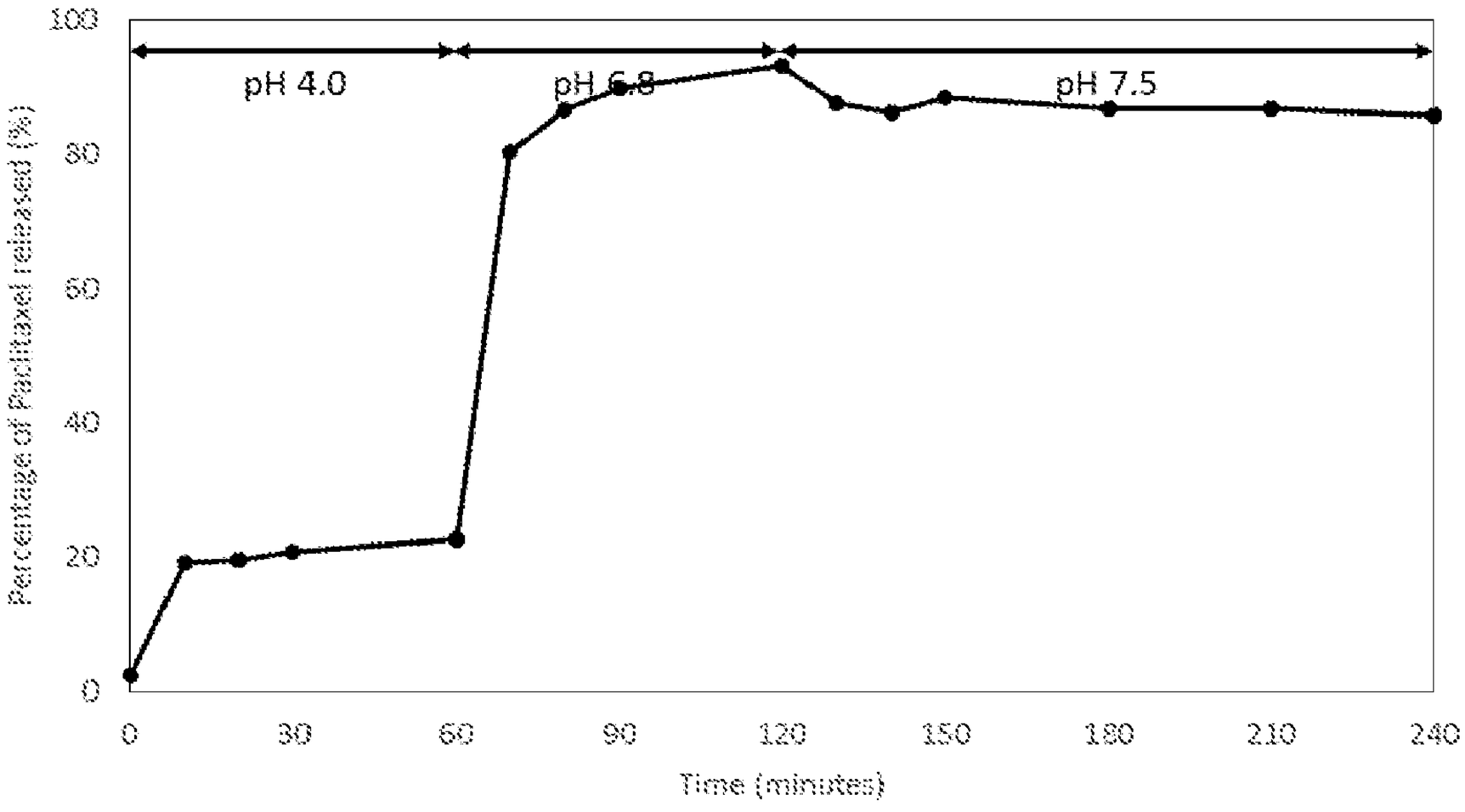

100
80
60
40
20
0
Percentage of Paclitaxel released (%)
pH 4.0
pH 6.8
pH 7.5
0
30
60
90
120
150
180
210
240
Time (minutes)

FIG. 8A

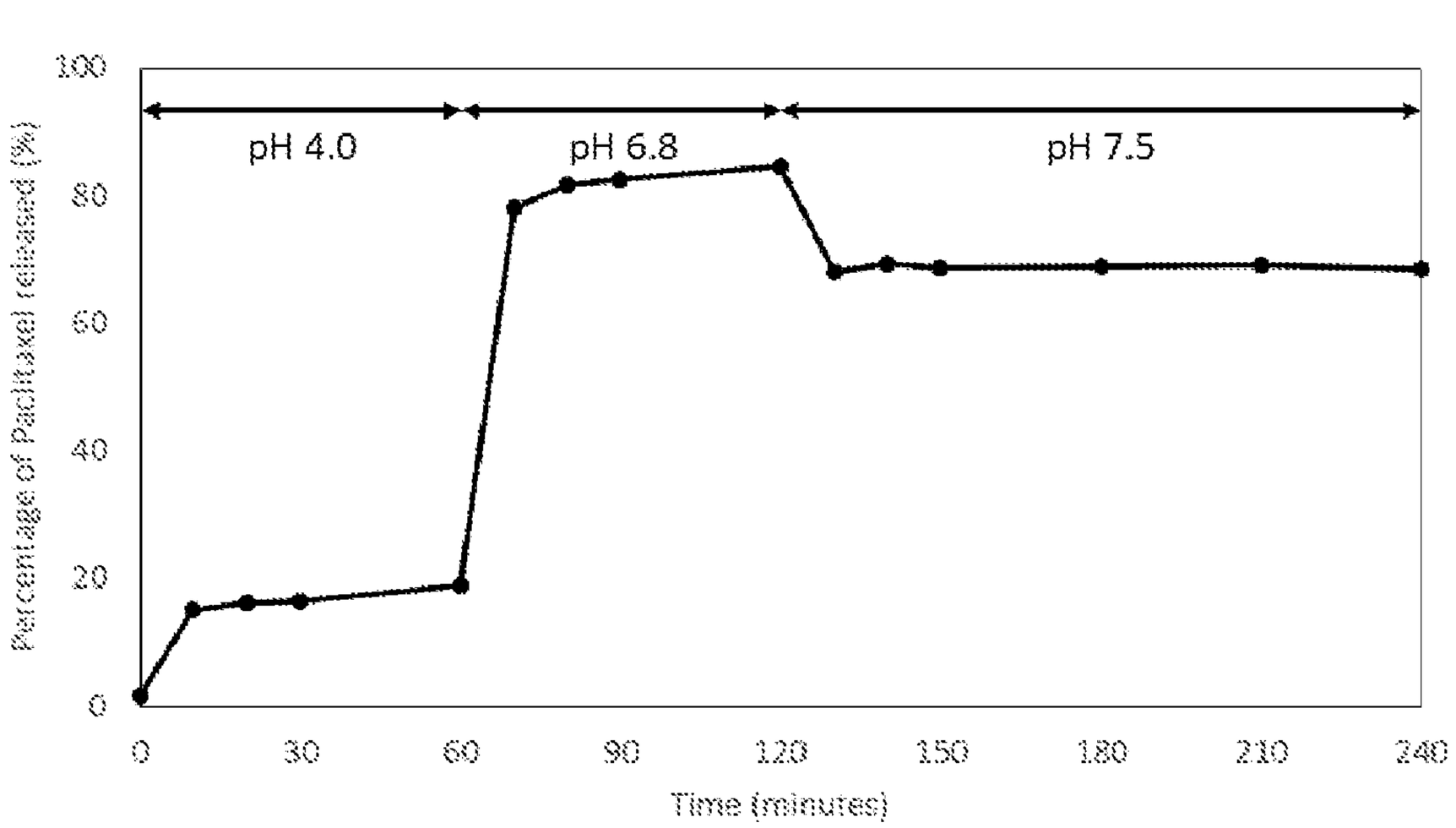

100
80
60
40
20
0
Percentage of Paclitaxel released (%)
pH 4.0
pH 6.8
pH 7.5
0
30
60
90
120
150
180
210
240
Time (minutes)

FIG. 8B

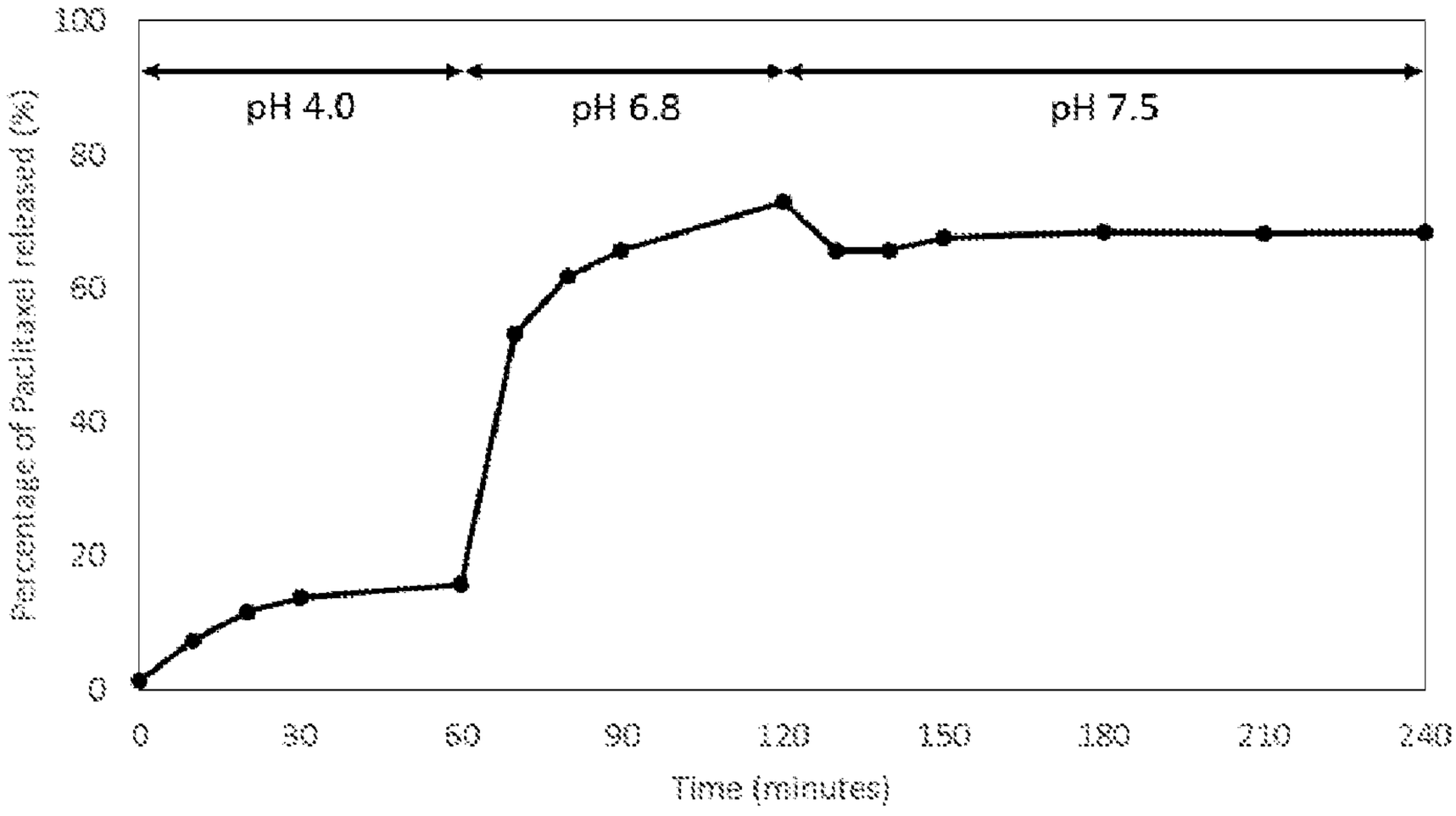

pH 4.0
pH 6.8
pH 7.5
Percentage of Paclitaxel released (%)
0
20
40
60
80
100
0
30
60
90
120
150
180
210
240
Time (minutes)

FIG. 8C

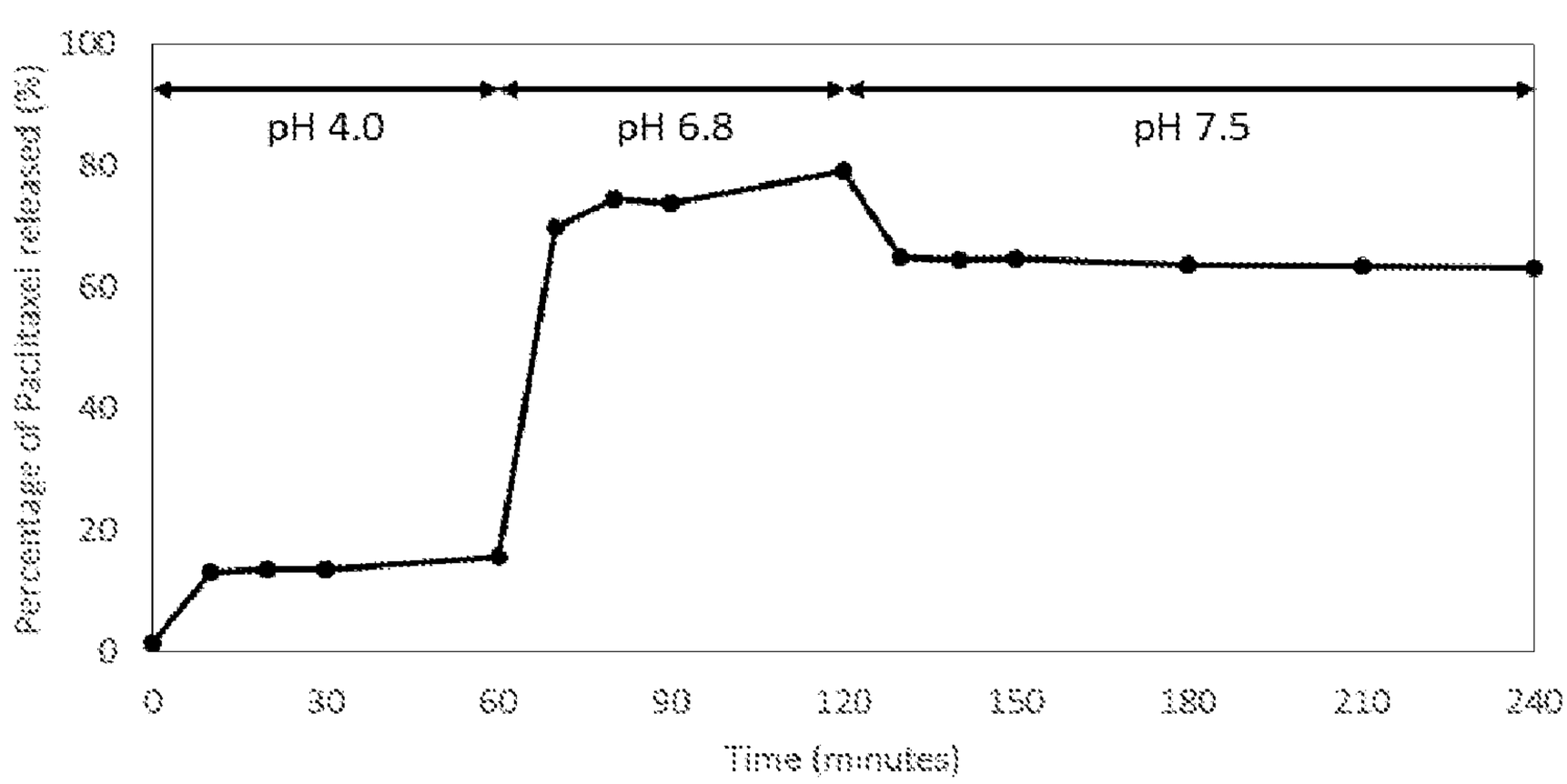

pH 4.0
pH 6.8
pH 7.5
Percentage of Paclitaxel released (%)
0
20
40
60
80
100
0
30
60
90
120
150
180
210
240
Time (minutes)

FIG. 8D

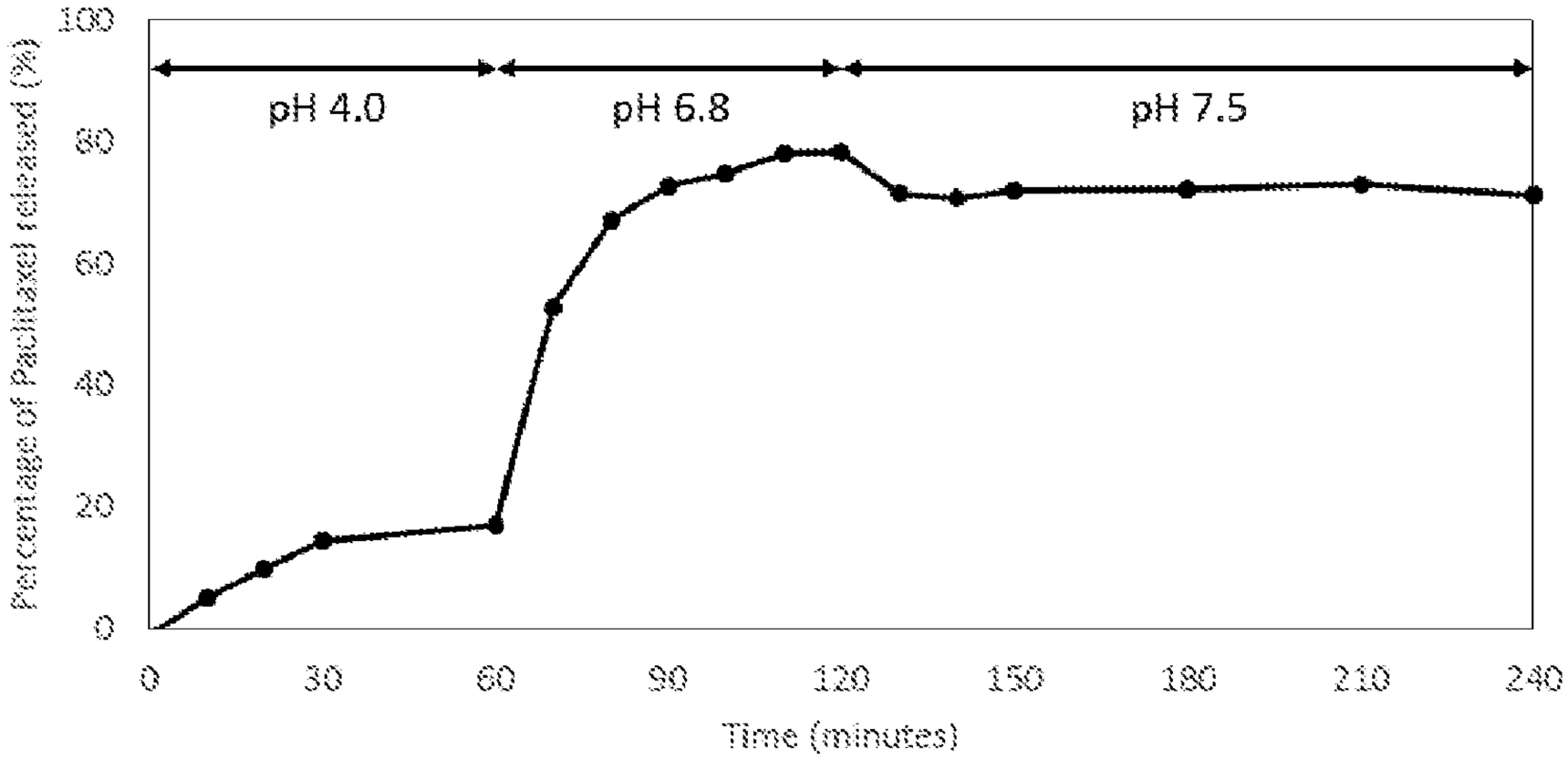

pH 4.0
pH 6.8
pH 7.5
Percentage of Paclitaxel released (%)
0
20
40
60
80
100
0
30
60
90
120
150
180
210
240
Time (minutes)

FIG. 8E

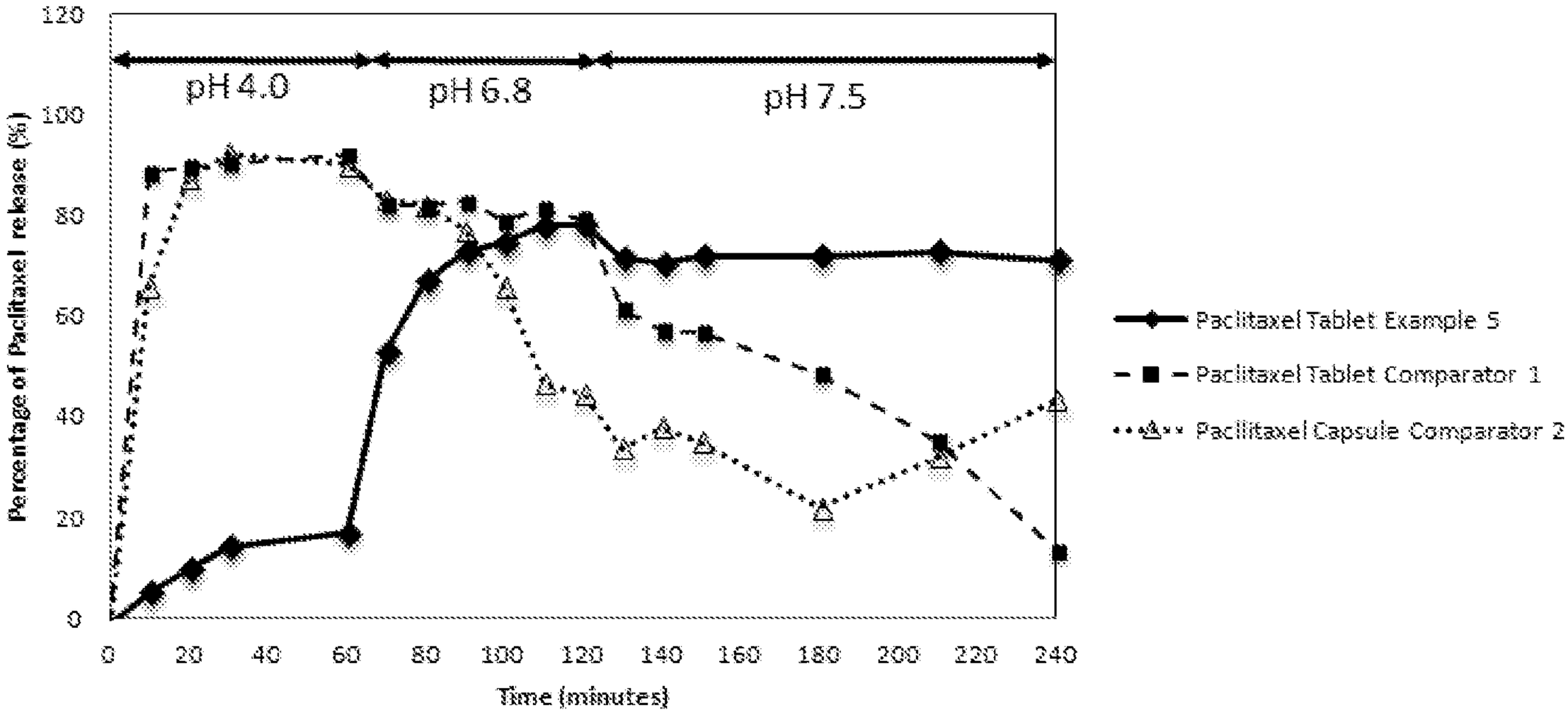

120
100
80
60
40
20
0
Percentage of Paclitaxel release (%)
pH 4.0
pH 6.8
pH 7.5
0
20
40
60
80
100
120
140
160
180
200
220
240
Time (minutes)
Paclitaxel Tablet Example 5
Paclitaxel Tablet Comparator 1
Paclitaxel Capsule Comparator 2

FIG. 9

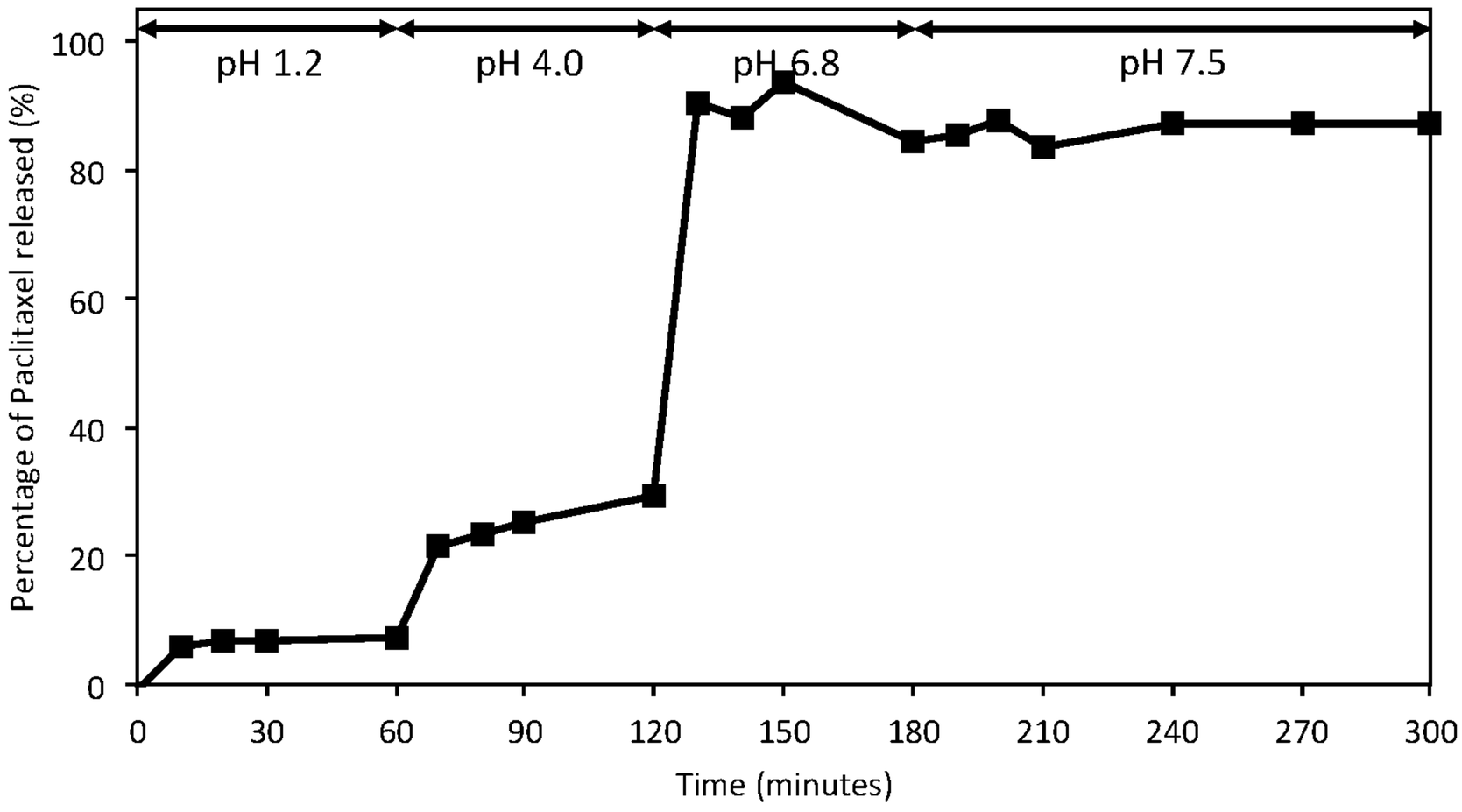

pH 1.2
pH 4.0
pH 6.8
pH 7.5
Percentage of Paclitaxel released (%)
0
20
40
60
80
100
0
30
60
90
120
150
180
210
240
270
300
Time (minutes)

FIG. 10

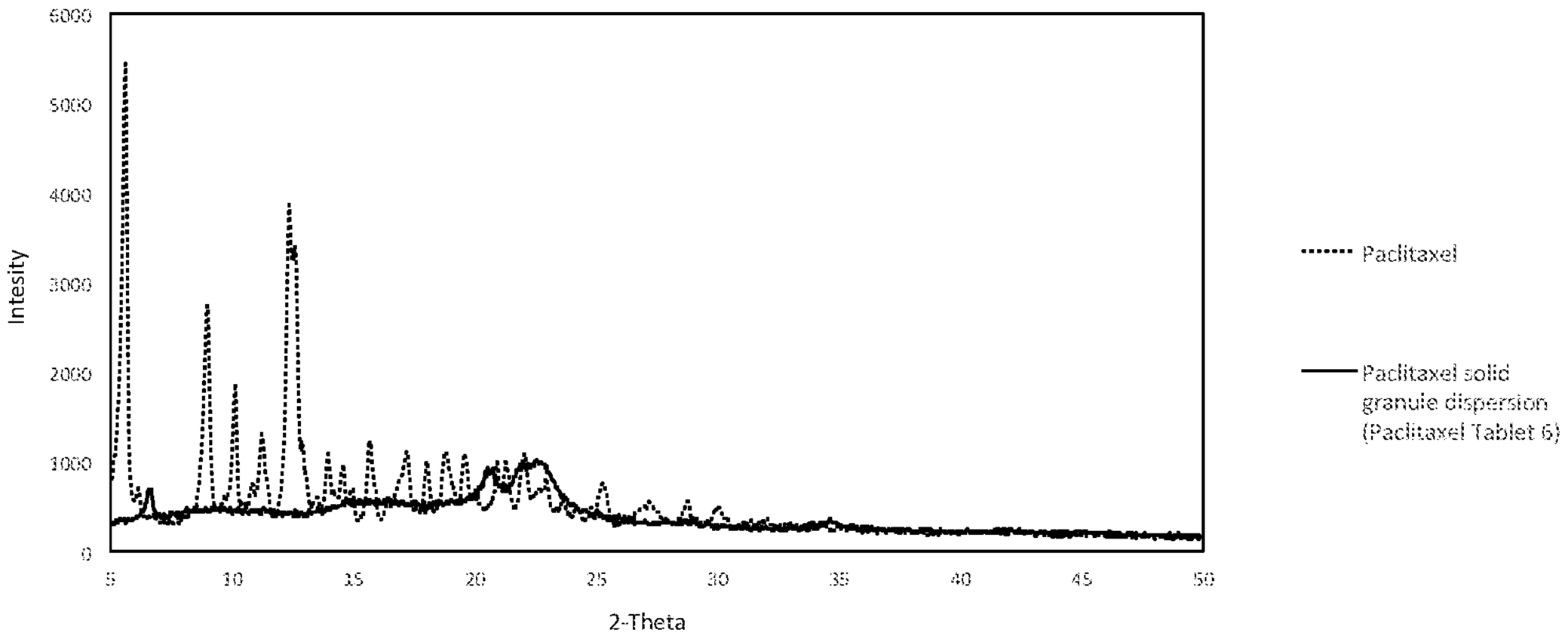

6000
5000
4000
3000
2000
1000
0
Intesity
5
10
15
20
25
30
35
40
45
50
2-Theta
Paclitaxel
Paclitaxel solid granule dispersion (Paclitaxel Tablet 6)

FIG. 11

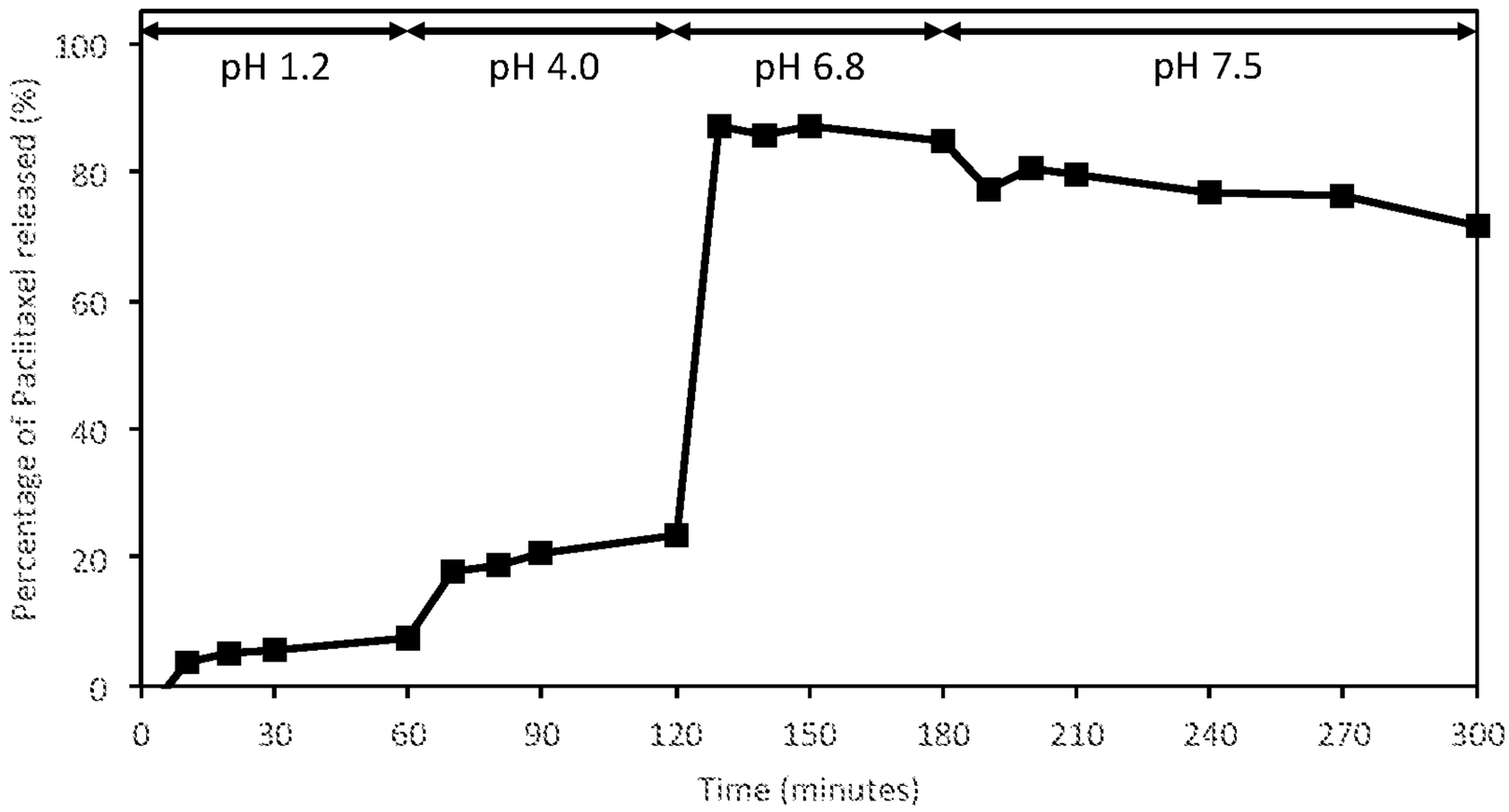


FIG. 12A

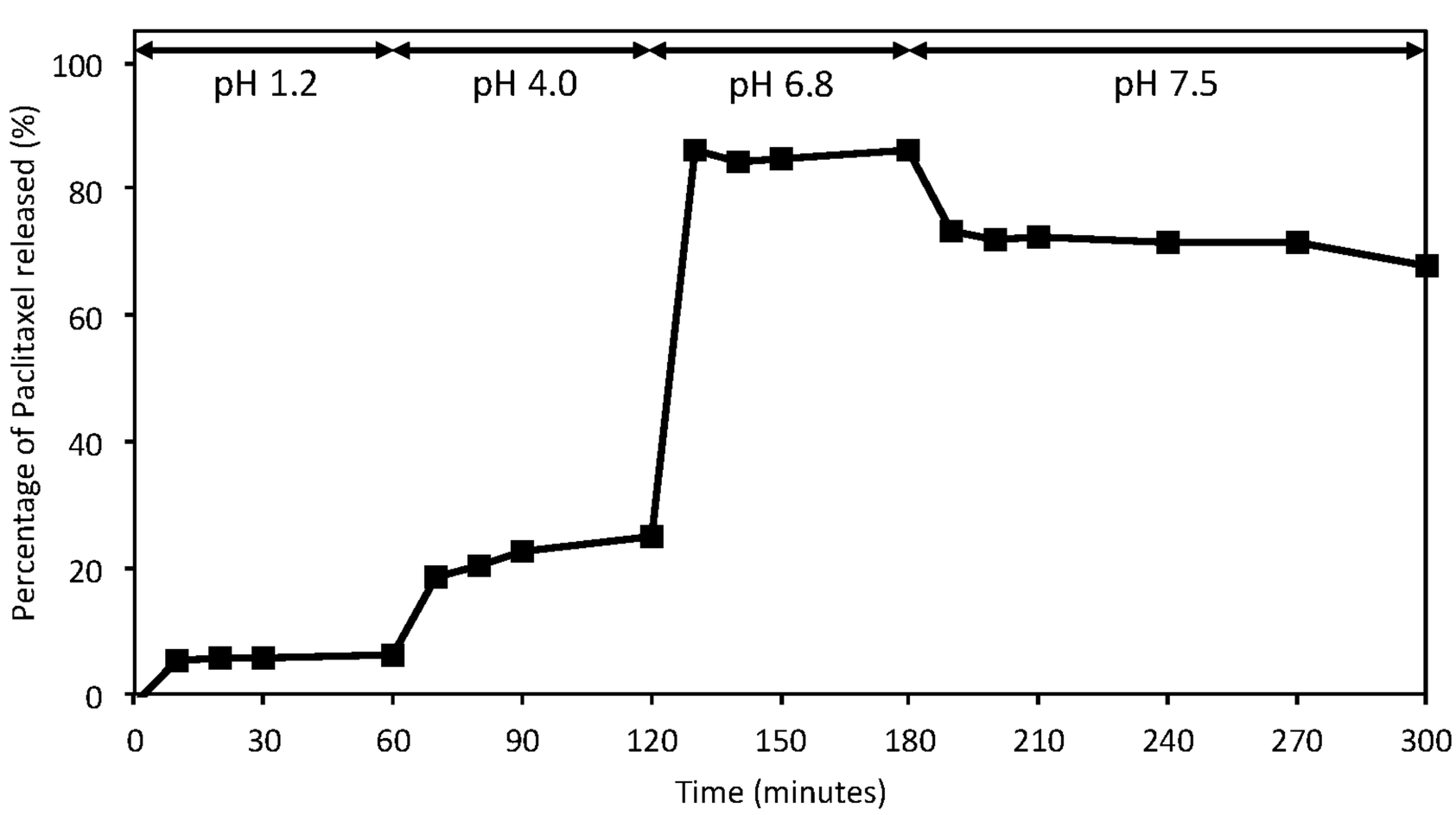


FIG. 12B