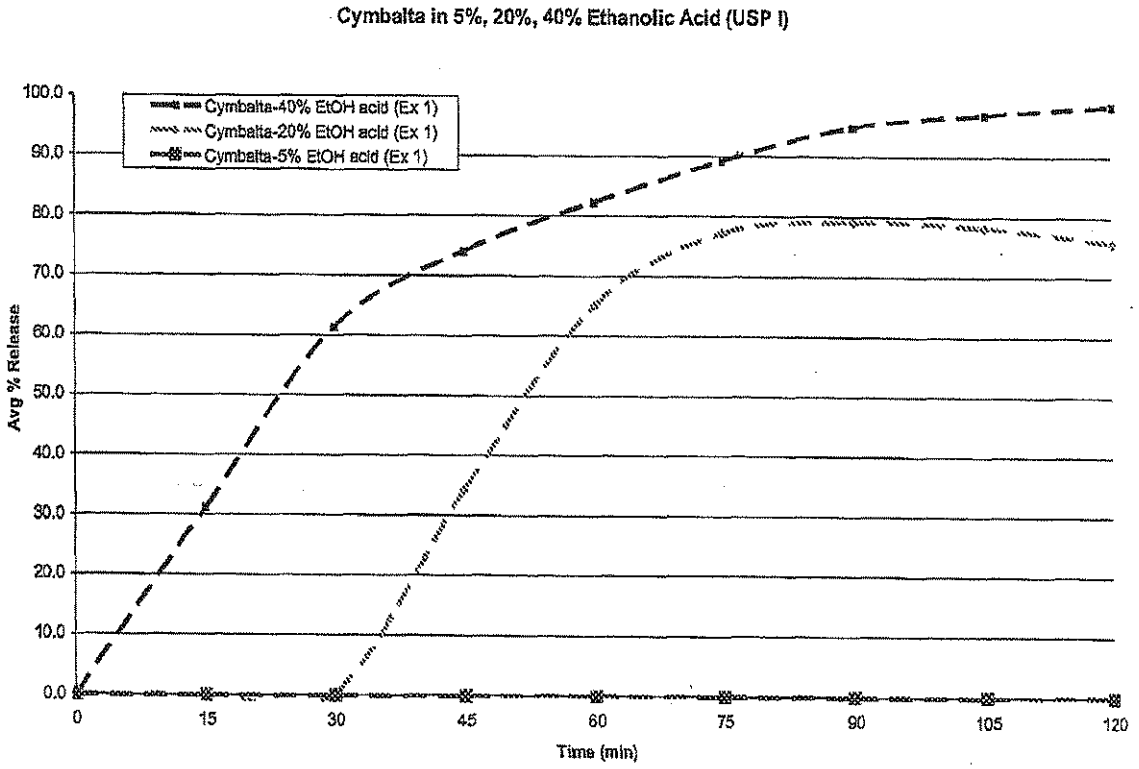
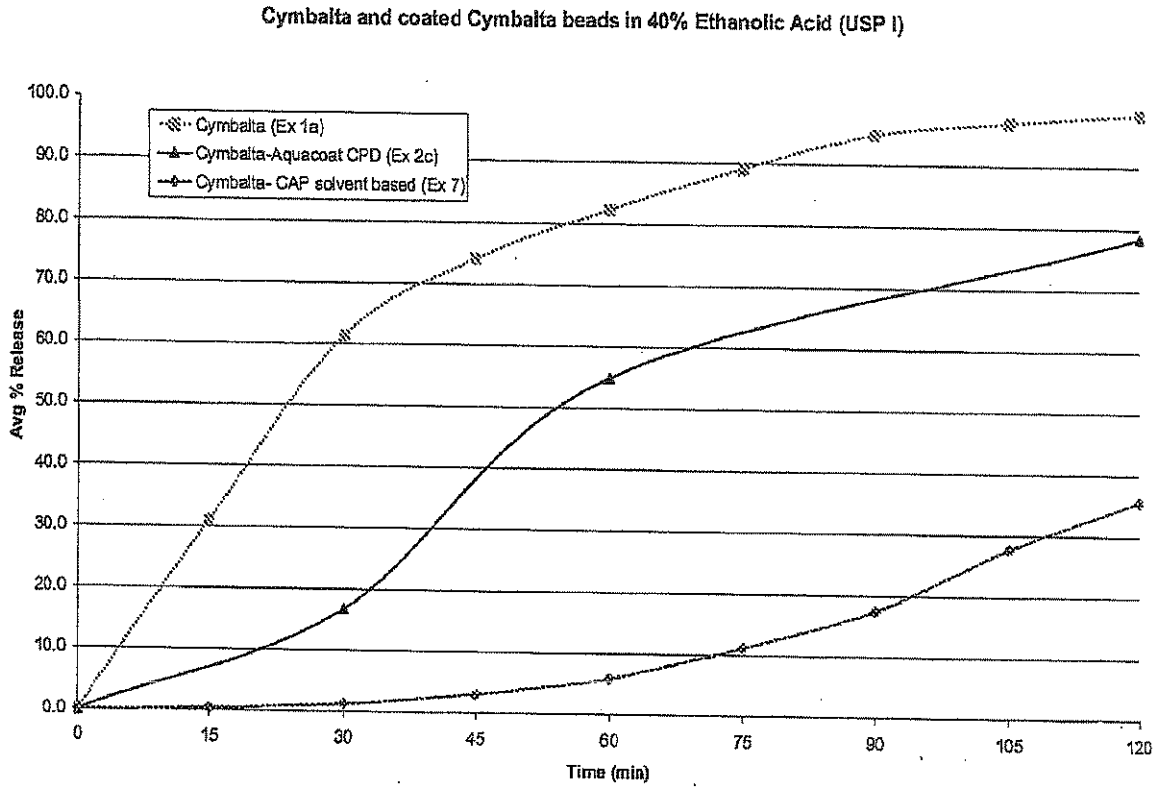
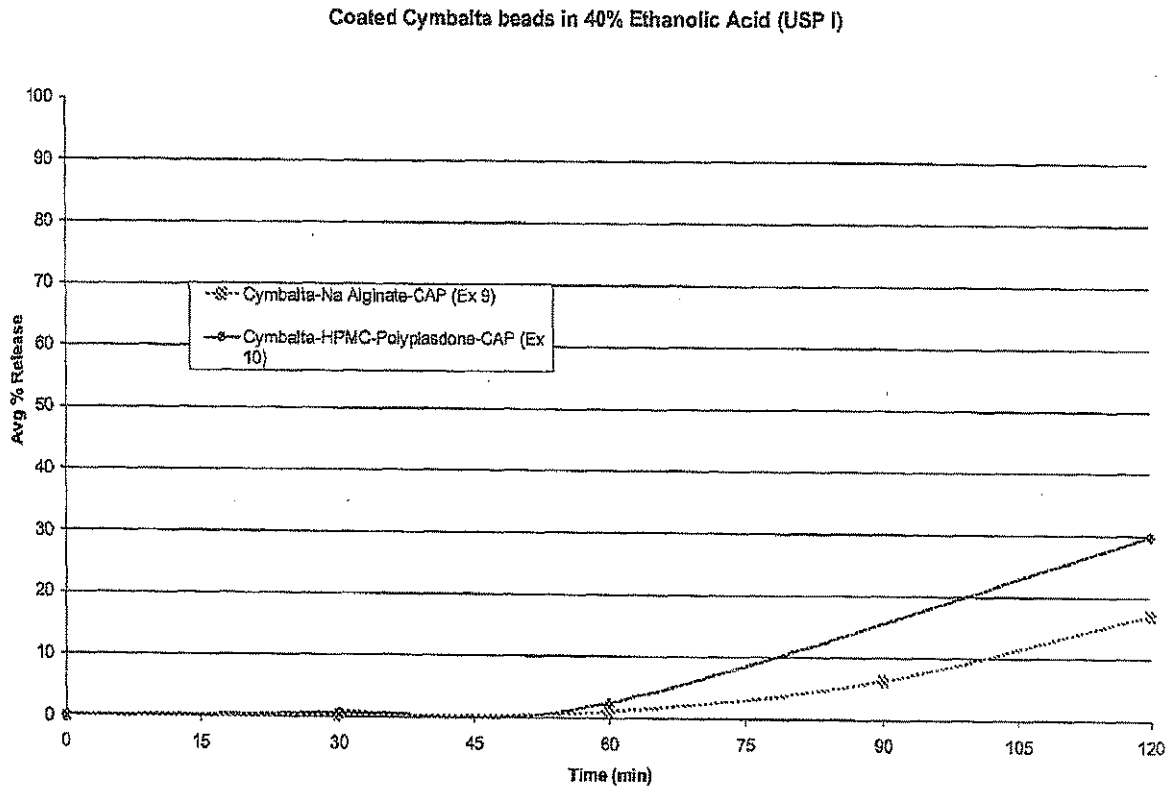
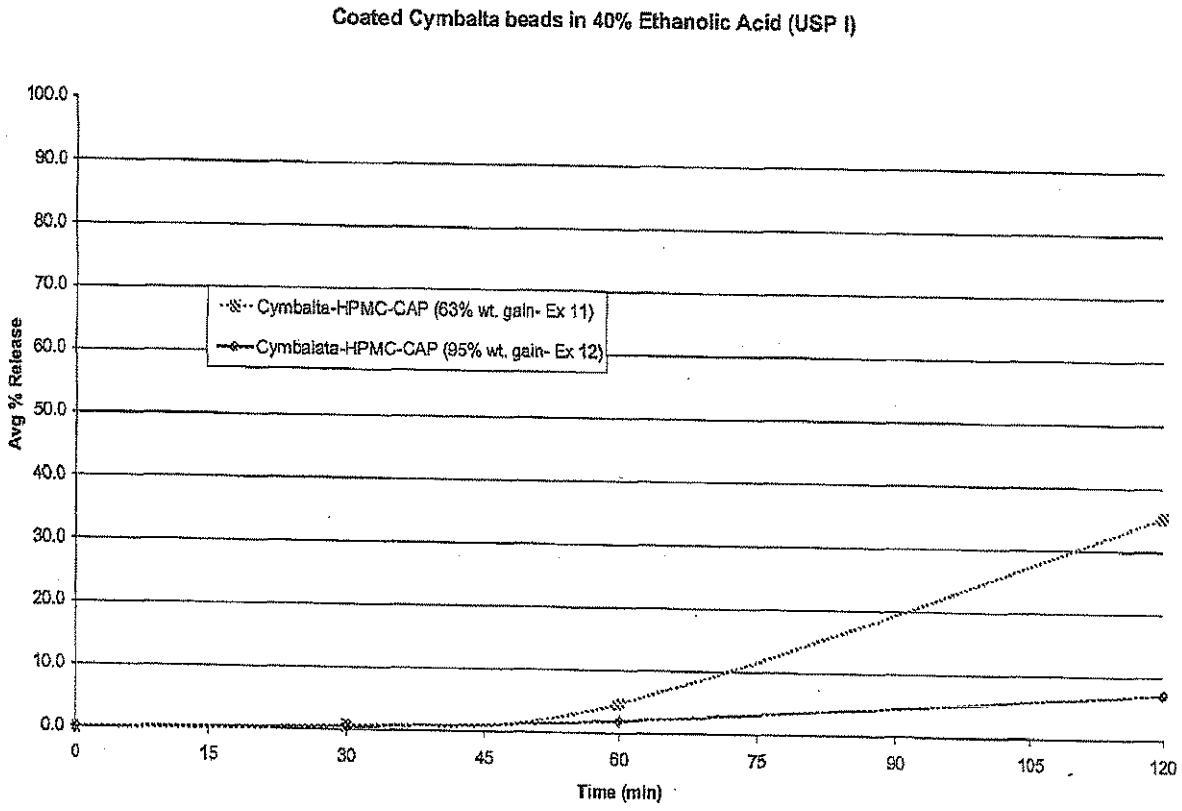
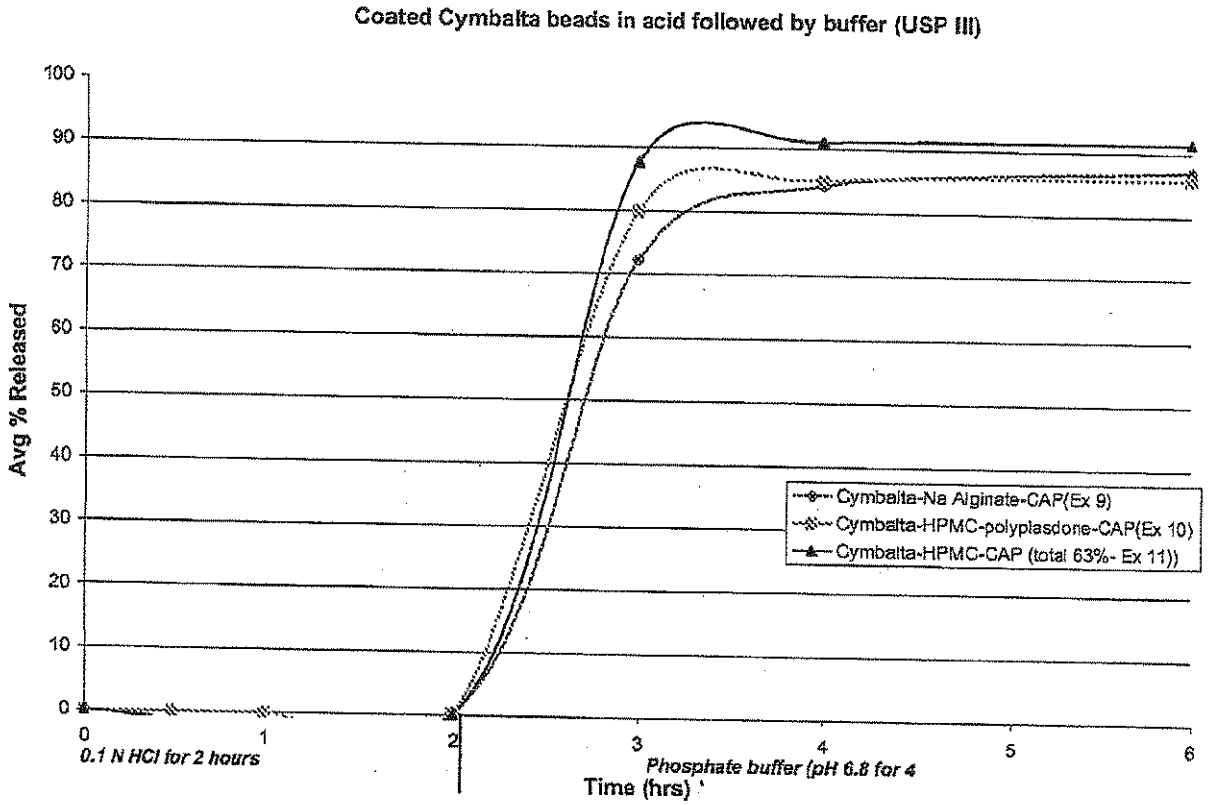
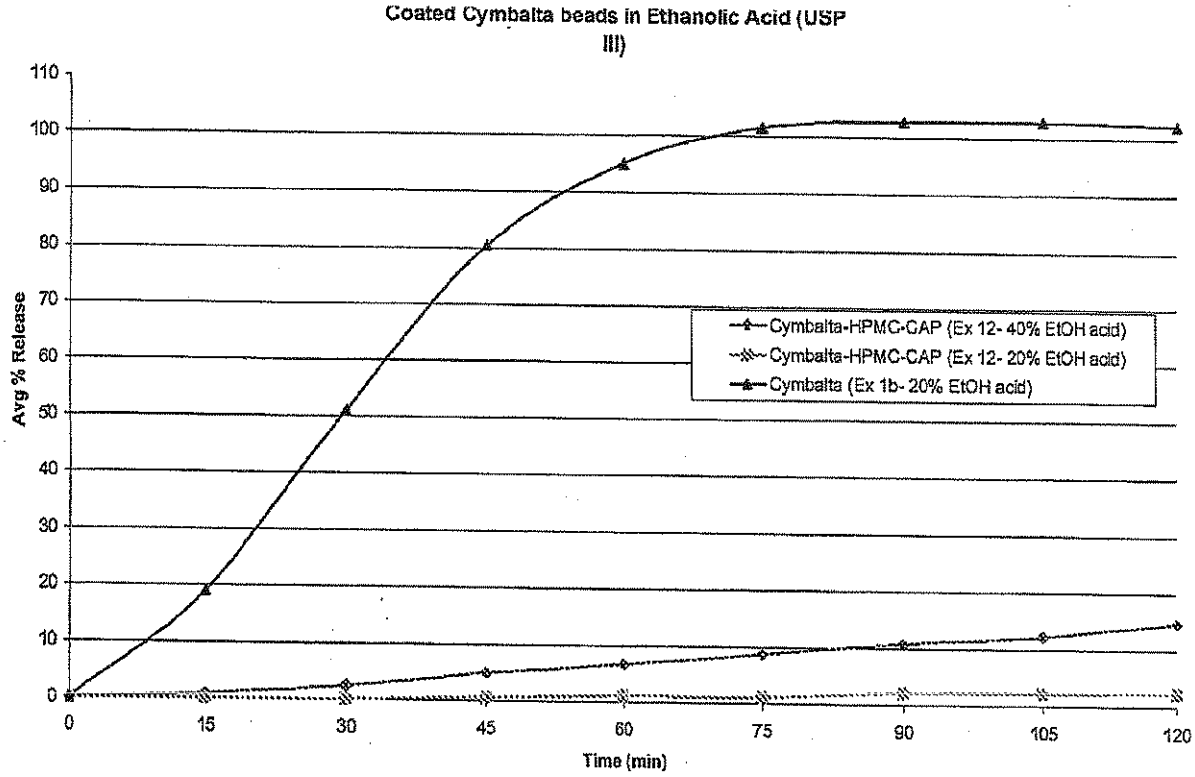

Cymbalta in 5%, 20%, 40% Ethanolic Acid (USP I)
Cymbalta-40% EtOH acid (Ex 1)
Cymbalta-20% EtOH acid (Ex 1)
Cymbalta-5% EtOH acid (Ex 1)
Avg % Release
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
0
15
30
45
60
75
90
105
120
Time (min)

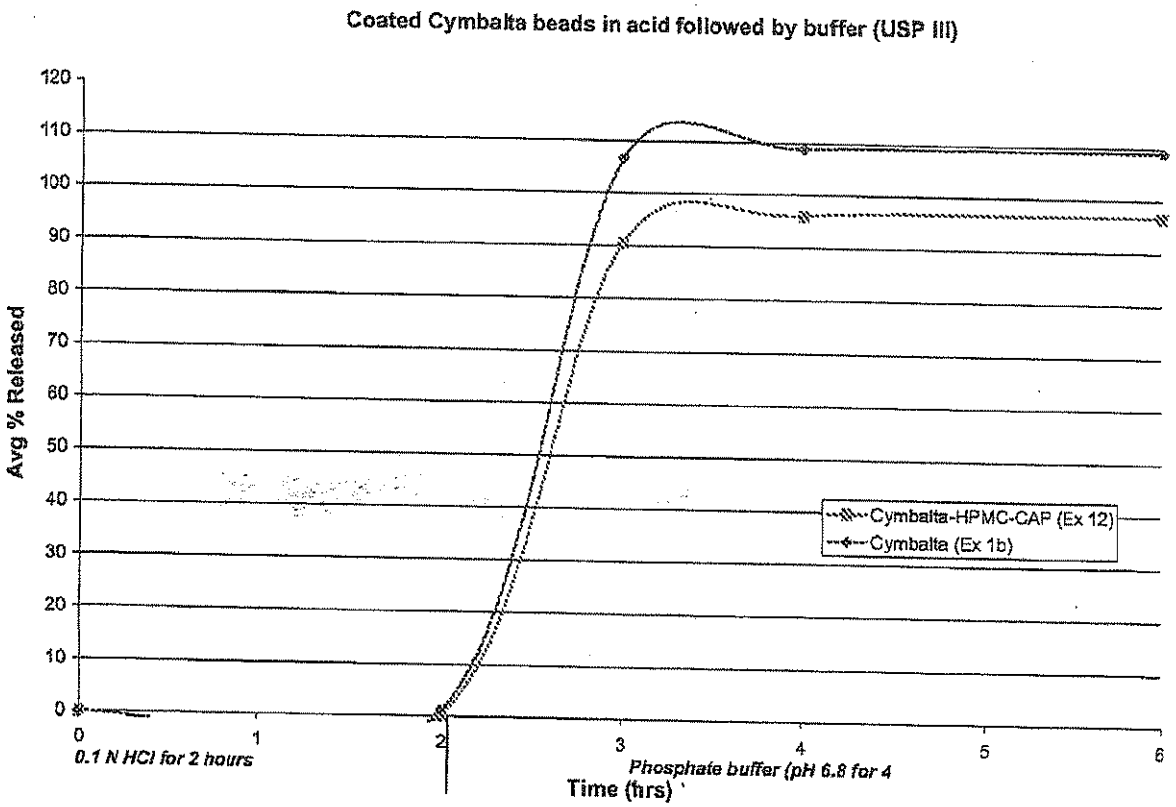

Cymbalta and coated Cymbalta beads in 40% Ethanolic Acid (USP I)
Cymbalta (Ex 1a)
Cymbalta-Aquacoat CPD (Ex 2c)
Cymbalta- CAP solvent based (Ex 7)
Avg % Release
Time (min)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
0
15
30
45
60
75
90
105
120

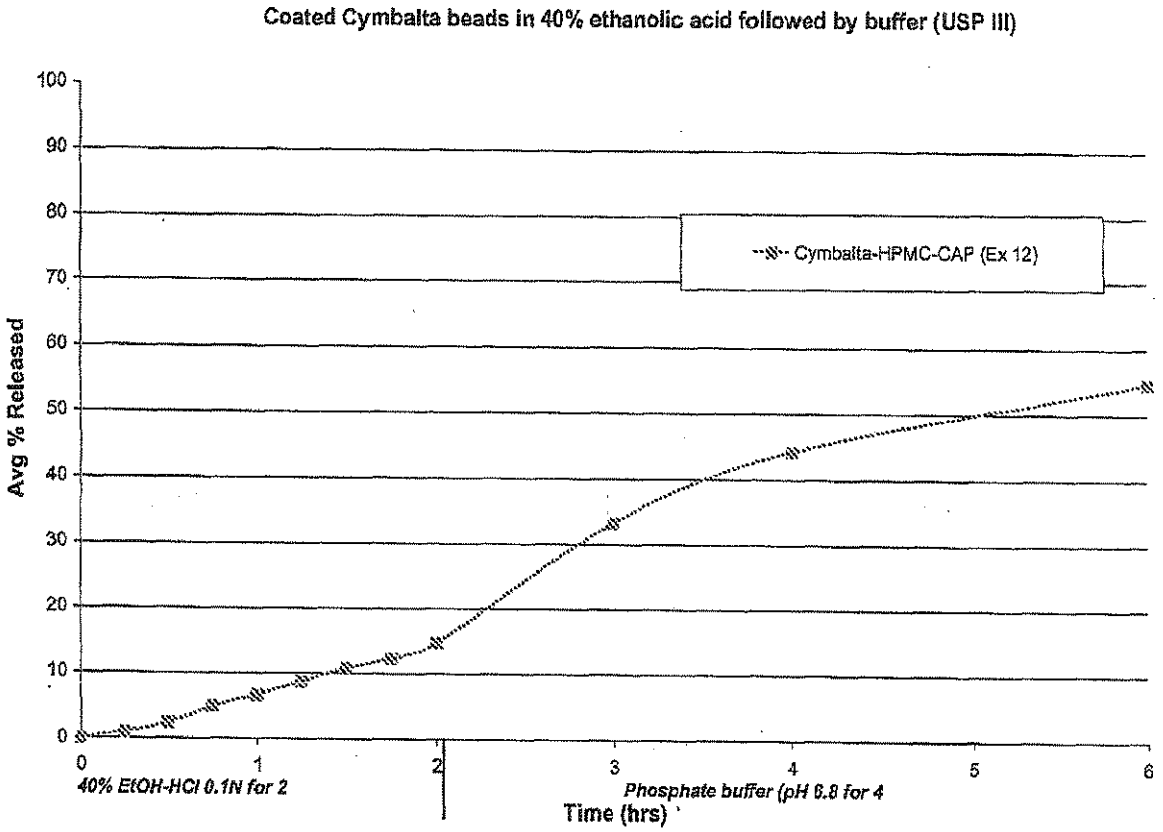

Coated Cymbalta beads in 40% Ethanolic Acid (USP I)
Avg % Release
Time (min)
Cymbalta-Na Alginate-CAP (Ex 9)
Cymbalta-HPMC-Polyplasdone-CAP (Ex 10)
0
10
20
30
40
50
60
70
80
90
100
0
15
30
45
60
75
90
105
120

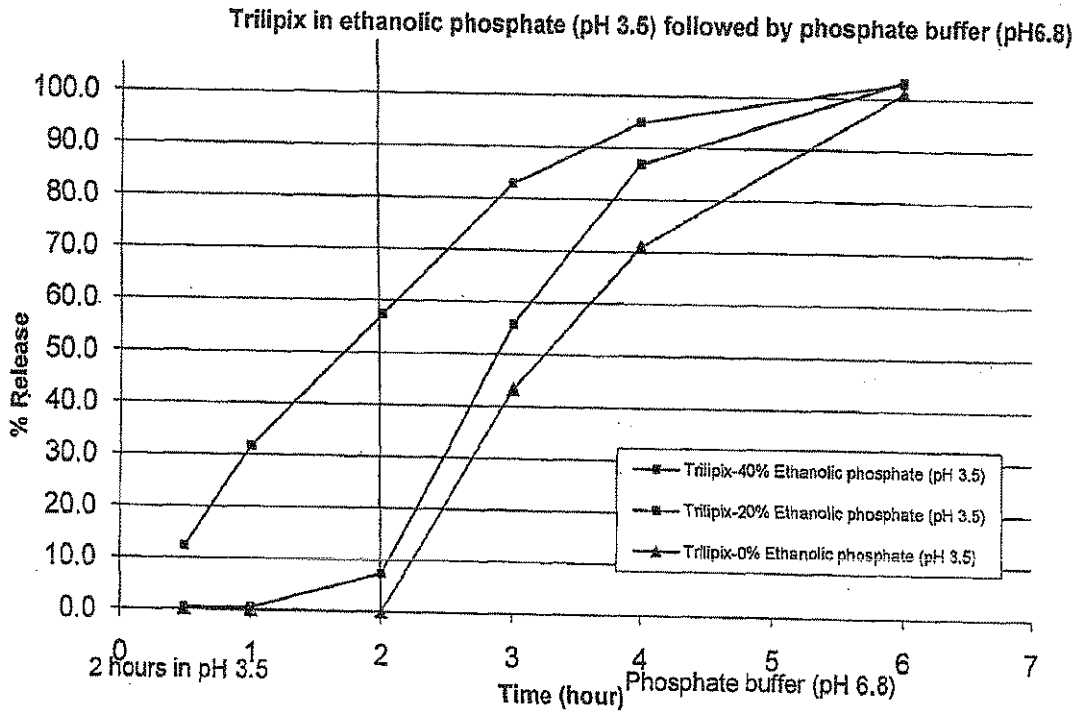

Coated Cymbalta beads in 40% Ethanolic Acid (USP I)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Avg % Release
Cymbalta-HPMC-CAP (63% wt. gain- Ex 11)
Cymbalata-HPMC-CAP (95% wt. gain- Ex 12)
0
15
30
45
60
75
90
105
120
Time (min)

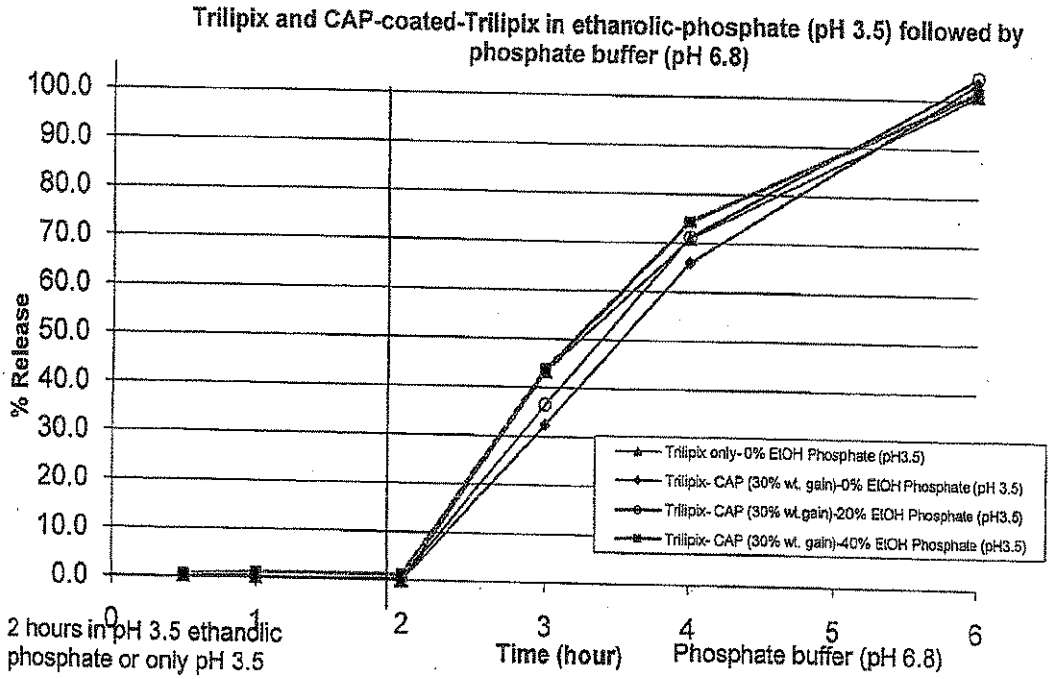

Coated Cymbalta beads in acid followed by buffer (USP III)
Avg % Released
100
90
80
70
60
50
40
30
20
10
0
0
1
2
3
4
5
6
0.1 N HCl for 2 hours
Phosphate buffer (pH 6.8 for 4
Time (hrs)
Cymbalta-Na Alginate-CAP(Ex 9)
Cymbalta-HPMC-polyplasdone-CAP(Ex 10)
Cymbalta-HPMC-CAP (total 63%- Ex 11))

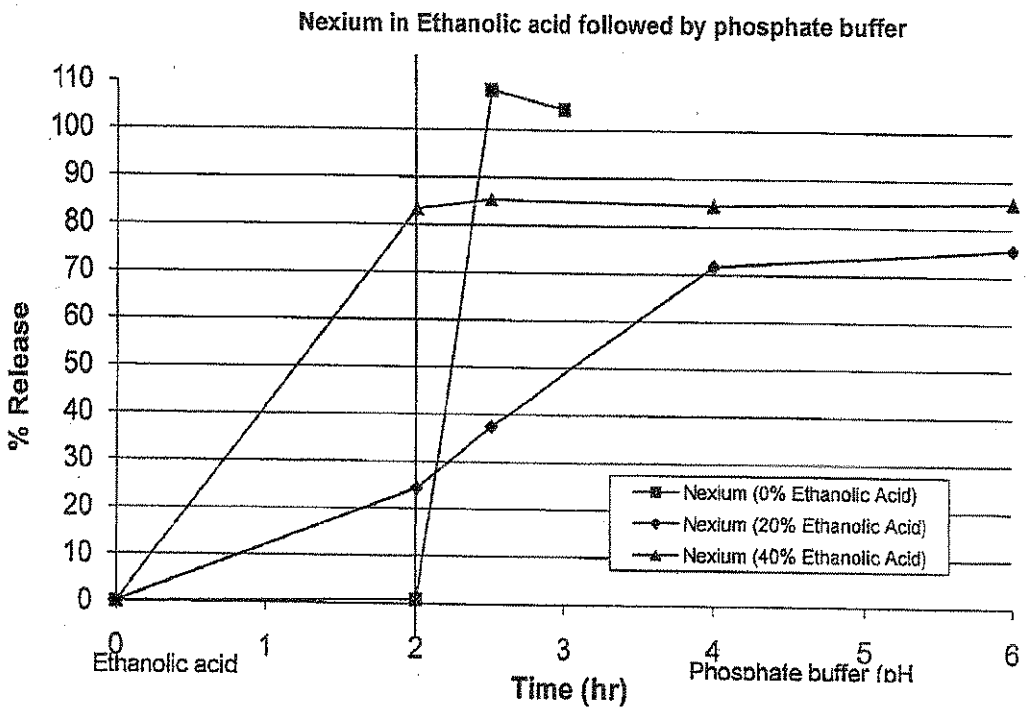

Coated Cymbalta beads in Ethanolic Acid (USP III)
Avg % Release
Time (min)
Cymbalta-HPMC-CAP (Ex 12- 40% EtOH acid)
Cymbalta-HPMC-CAP (Ex 12- 20% EtOH acid)
Cymbalta (Ex 1b- 20% EtOH acid)
0
10
20
30
40
50
60
70
80
90
100
110
0
15
30
45
60
75
90
105
120

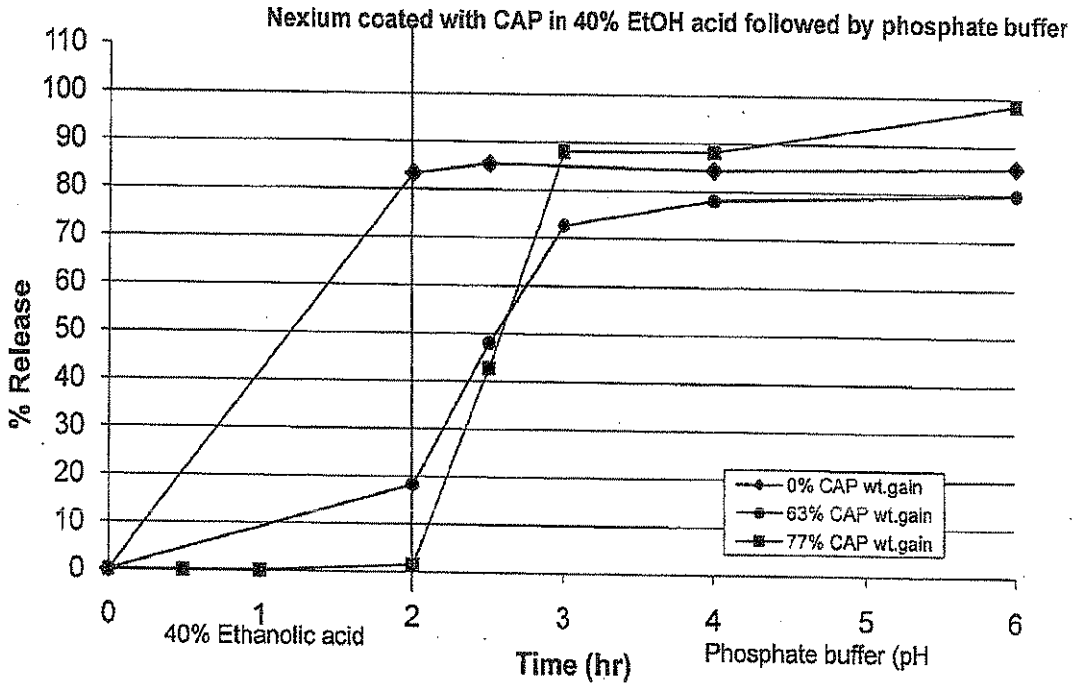

Coated Cymbalta beads in acid followed by buffer (USP III)
Avg % Released
120
110
100
90
80
70
60
50
40
30
20
10
0
0
1
2
3
4
5
6
0.1 N HCl for 2 hours
Phosphate buffer (pH 6.8 for 4
Time (hrs)
Cymbalta-HPMC-CAP (Ex 12)
Cymbalta (Ex 1b)

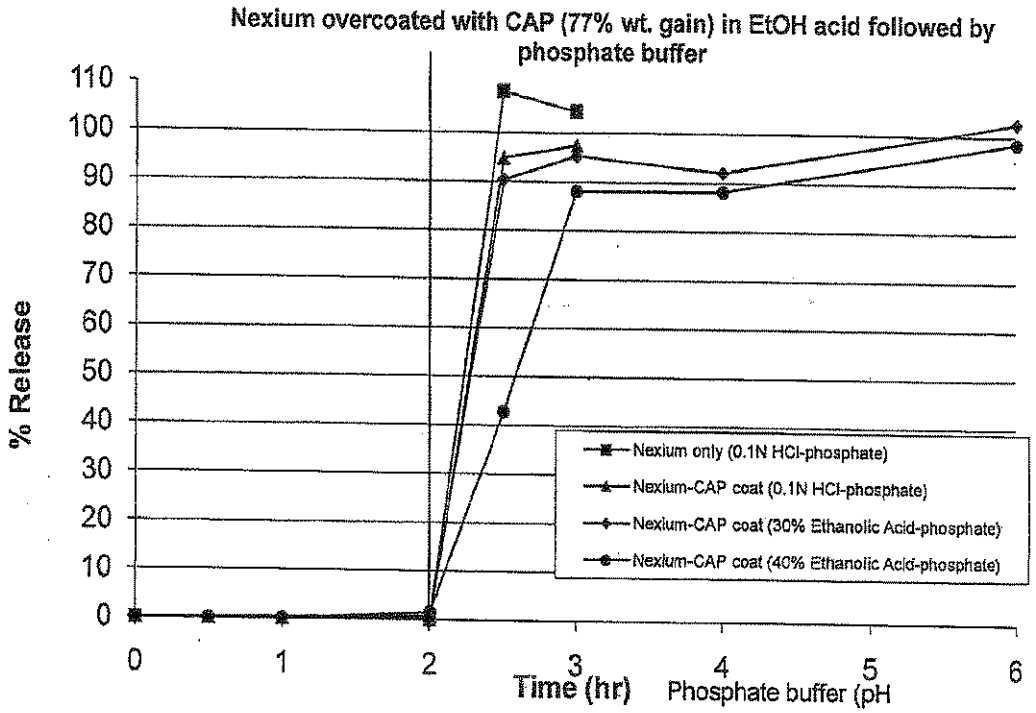

Coated Cymbalta beads in 40% ethanolic acid followed by buffer (USP III)
Avg % Released
100
90
80
70
60
50
40
30
20
10
0
Cymbalta-HPMC-CAP (Ex 12)
0
1
2
3
4
5
6
40% EtOH-HCl 0.1N for 2
Phosphate buffer (pH 6.8 for 4
Time (hrs)

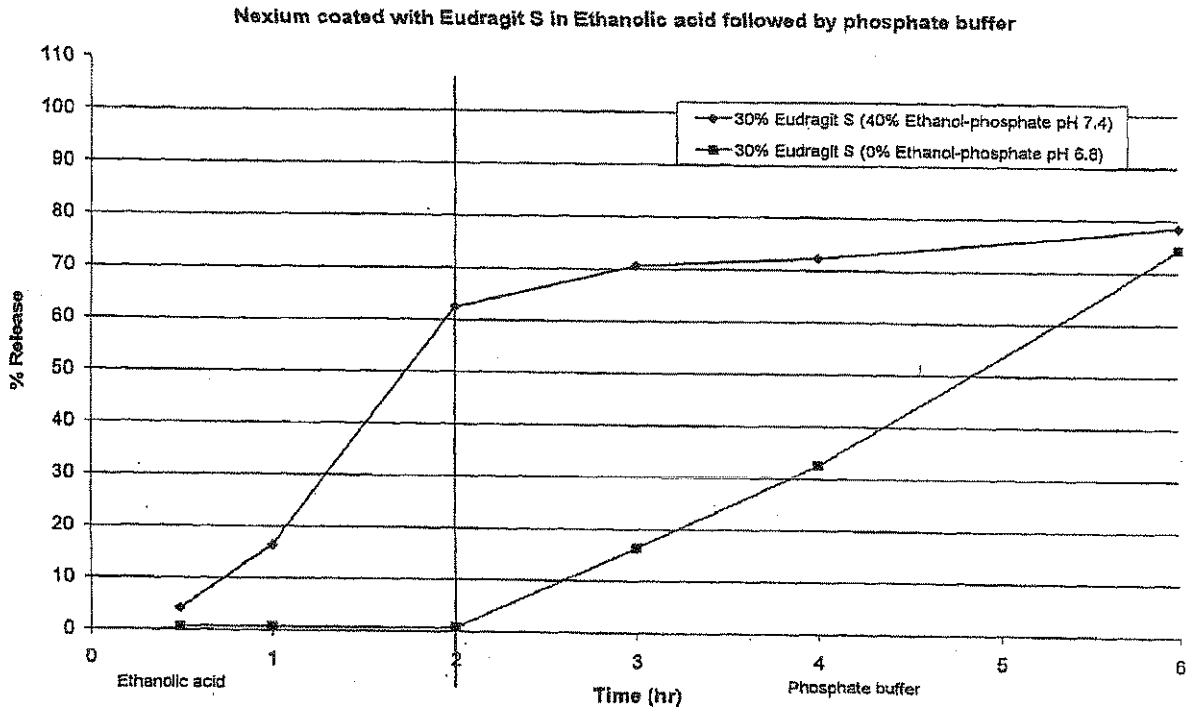

Trilipix in ethanolic phosphate (pH 3.5) followed by phosphate buffer (pH6.8)
% Release
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
0
1
2
3
4
5
6
7
2 hours in pH 3.5
Phosphate buffer (pH 6.8)
Time (hour)
Trilipix-40% Ethanolic phosphate (pH 3.5)
Trilipix-20% Ethanolic phosphate (pH 3.5)
Trilipix-0% Ethanolic phosphate (pH 3.5)


Trilipix and CAP-coated-Trilipix in ethanolic-phosphate (pH 3.5) followed by phosphate buffer (pH 6.8)
% Release
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
0
1
2
3
4
5
6
Time (hour)
2 hours in pH 3.5 ethanolic phosphate or only pH 3.5
Phosphate buffer (pH 6.8)
Trilipix only- 0% EtOH Phosphate (pH3.5)
Trilipix- CAP (30% wt. gain)-0% EtOH Phosphate (pH 3.5)
Trilipix- CAP (30% wt.gain)-20% EtOH Phosphate (pH3.5)
Trilipix- CAP (30% wt. gain)-40% EtOH Phosphate (pH3.5)


Nexium in Ethanolic acid followed by phosphate buffer
% Release
110
100
90
80
70
60
50
40
30
20
10
0
0
1
2
3
4
5
6
Ethanolic acid
Time (hr)
Phosphate buffer (pH
Nexium (0% Ethanolic Acid)
Nexium (20% Ethanolic Acid)
Nexium (40% Ethanolic Acid)


Nexium coated with CAP in 40% EtOH acid followed by phosphate buffer
% Release
110
100
90
80
70
60
50
40
30
20
10
0
0
1
2
3
4
5
6
40% Ethanolic acid
Time (hr)
Phosphate buffer (pH
0% CAP wt.gain
63% CAP wt.gain
77% CAP wt.gain


Nexium overcoated with CAP (77% wt. gain) in EtOH acid followed by phosphate buffer
% Release
110
100
90
80
70
60
50
40
30
20
10
0
0
1
2
3
4
5
6
Time (hr)
Phosphate buffer (pH
Nexium only (0.1N HCl-phosphate)
Nexium-CAP coat (0.1N HCl-phosphate)
Nexium-CAP coat (30% Ethanolic Acid-phosphate)
Nexium-CAP coat (40% Ethanolic Acid-phosphate)


Nexium coated with Eudragit S in Ethanolic acid followed by phosphate buffer
30% Eudragit S (40% Ethanol-phosphate pH 7.4)
30% Eudragit S (0% Ethanol-phosphate pH 6.8)
% Release
Time (hr)
Ethanolic acid
Phosphate buffer
0
10
20
30
40
50
60
70
80
90
100
110
0
1
2
3
4
5
6