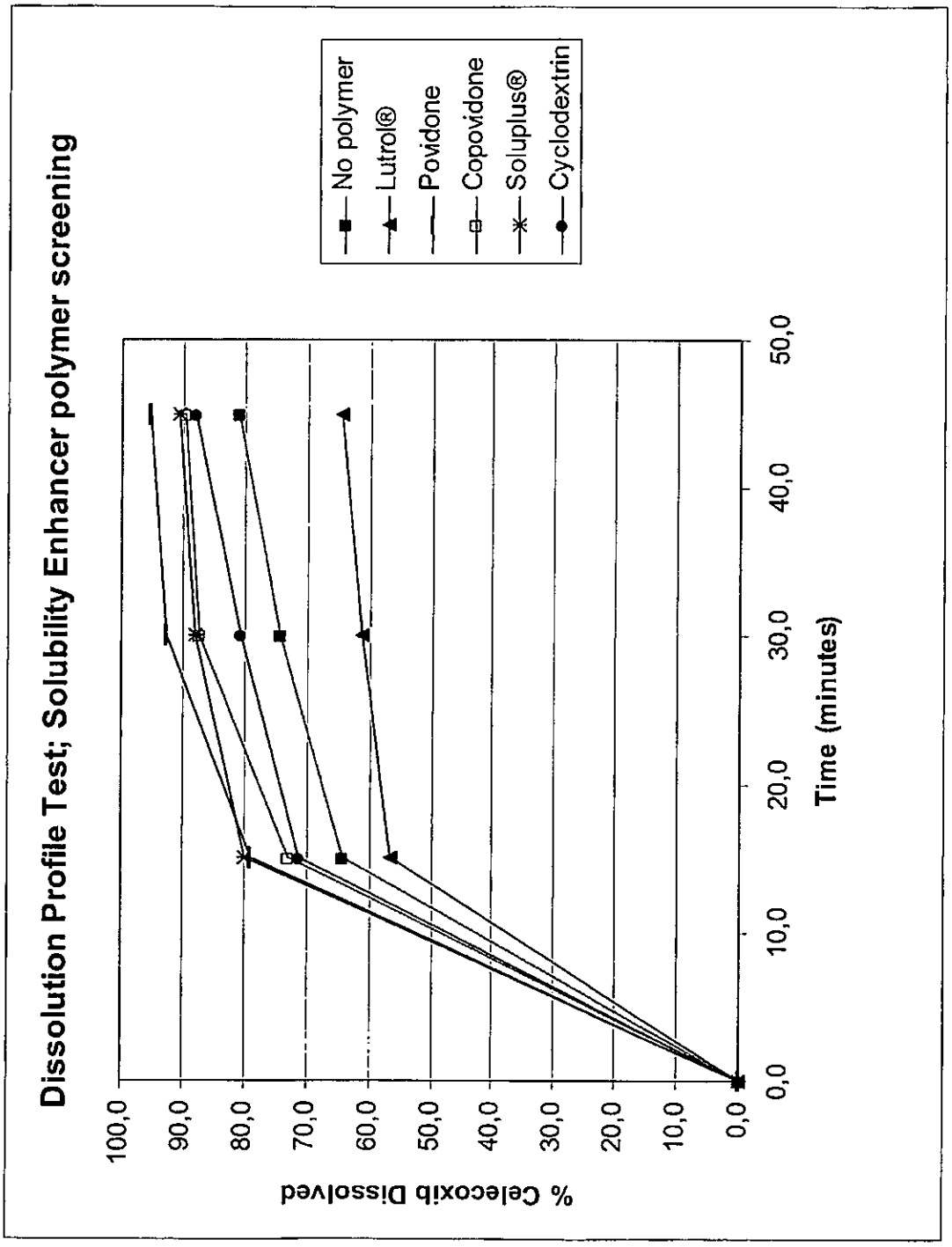

Dissolution Profile Test; Solubility Enhancer polymer screening
No polymer
Lutrol®
Povidone
Copovidone
Soluplus®
Cyclodextrin
% Celecoxib Dissolved
100,0
90,0
80,0
70,0
60,0
50,0
40,0
30,0
20,0
10,0
0,0
0,0
10,0
20,0
30,0
40,0
50,0
Time (minutes)

Fig. 1)

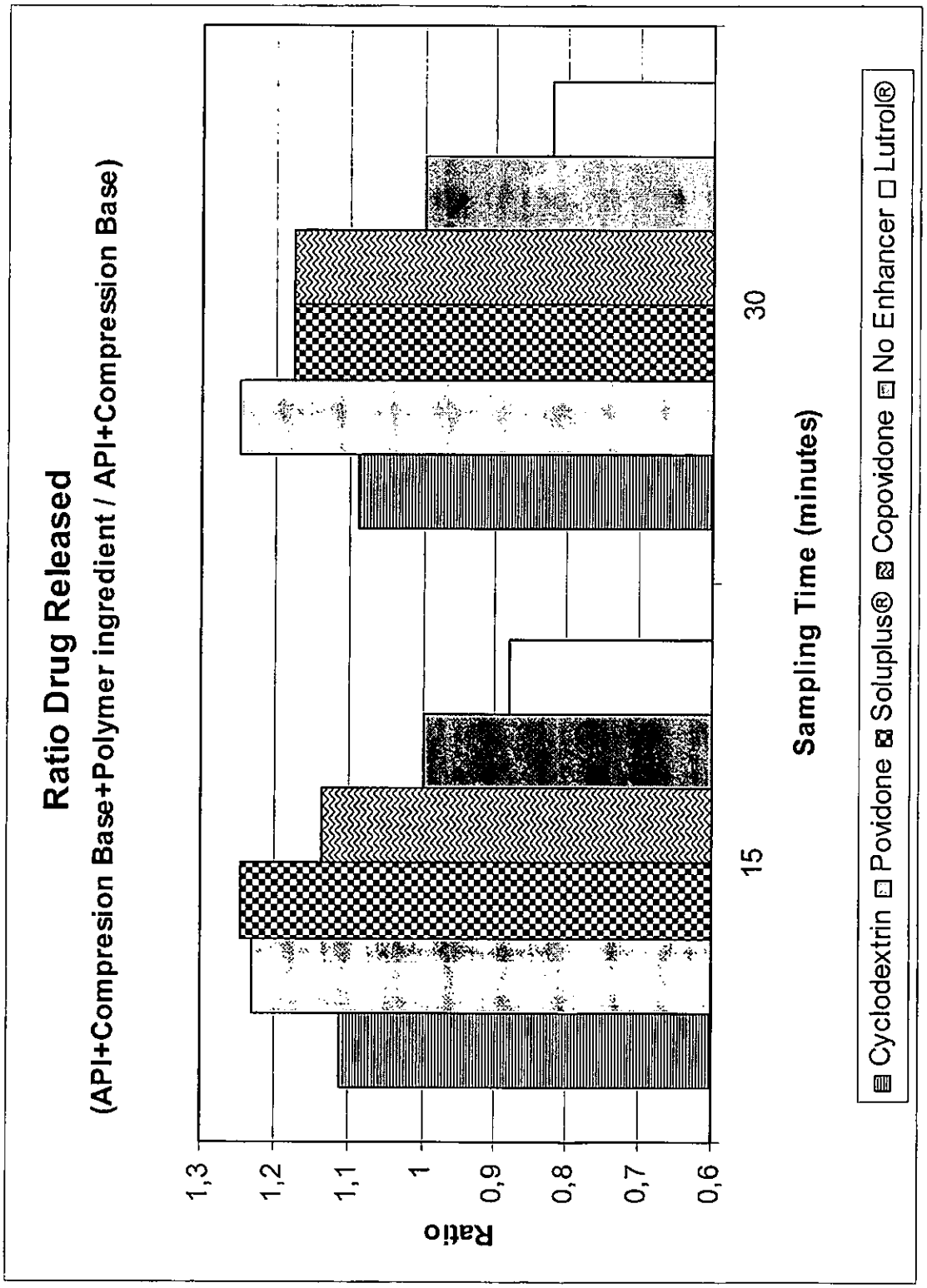

Ratio Drug Released
(API+Compresion Base+Polymer ingredient / API+Compression Base)
Ratio
1,3
1,2
1,1
1
0,9
0,8
0,7
0,6
15
30
Sampling Time (minutes)
Cyclodextrin
Povidone
Soluplus®
Copovidone
No Enhancer
Lutrol®

Fig. 2)

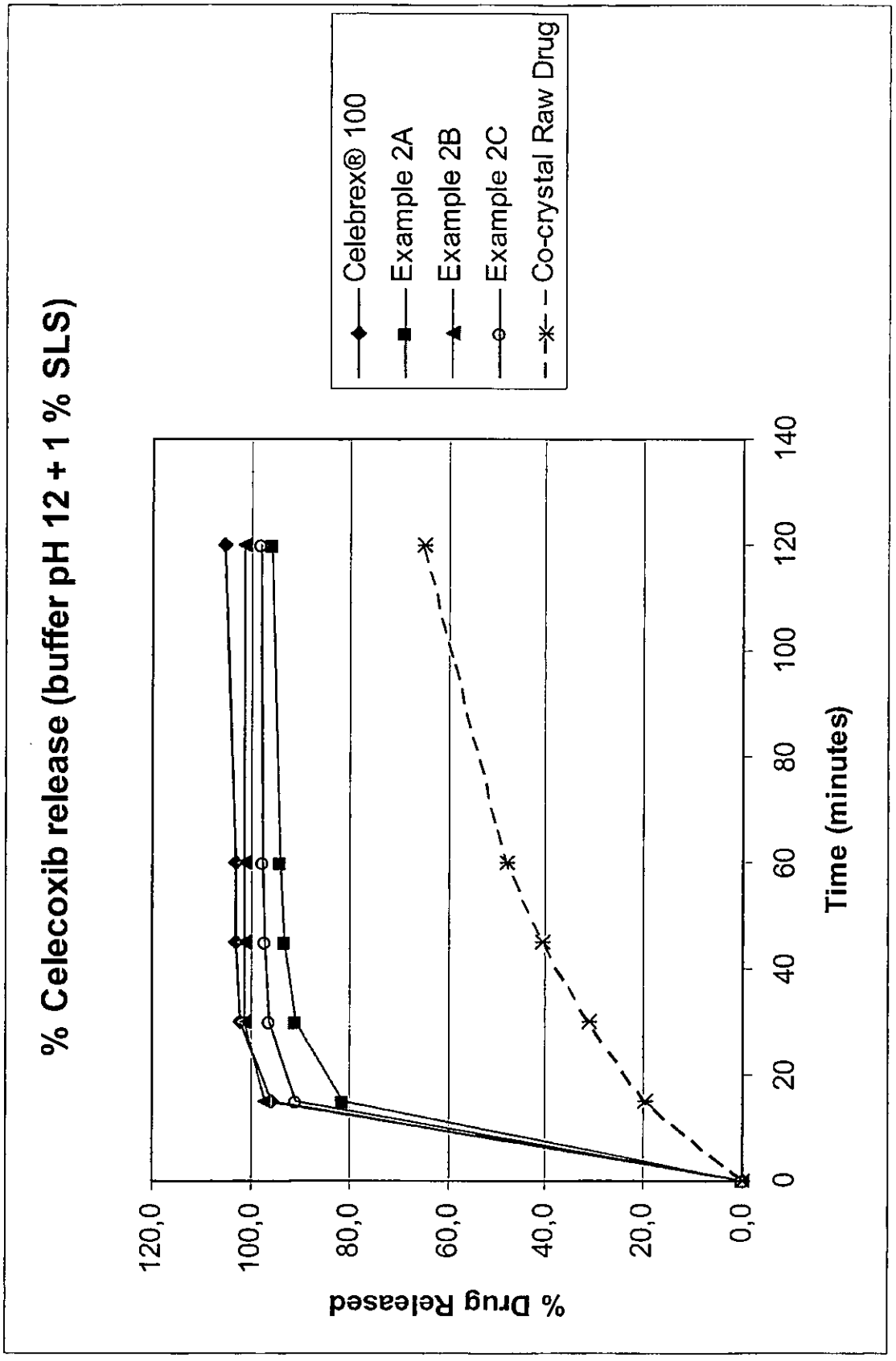

% Celecoxib release (buffer pH 12 + 1 % SLS)
Celebrex® 100
Example 2A
Example 2B
Example 2C
Co-crystal Raw Drug
% Drug Released
120,0
100,0
80,0
60,0
40,0
20,0
0,0
0
20
40
60
80
100
120
140
Time (minutes)

Fig. 3)

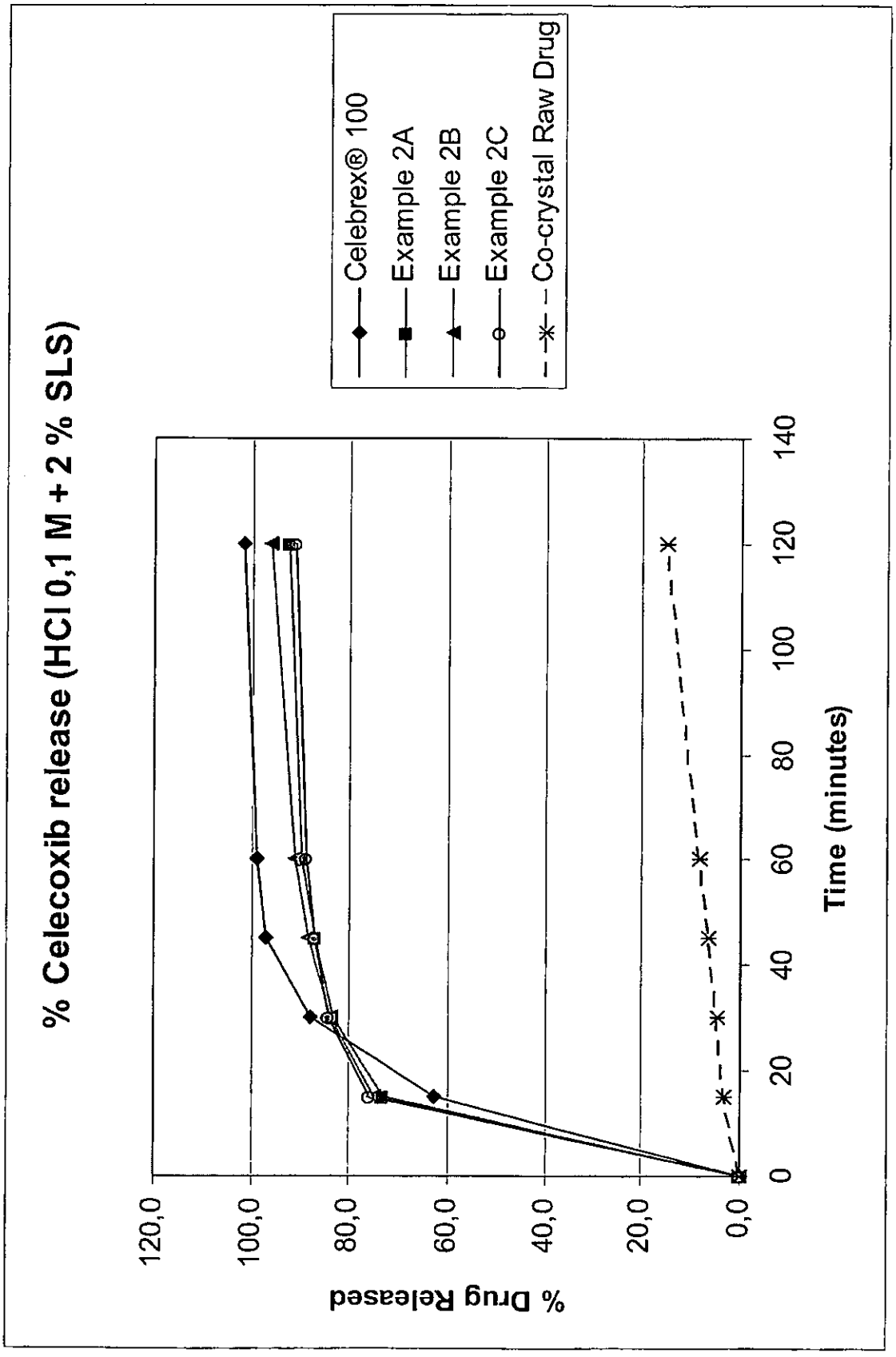

% Celecoxib release (HCl 0,1 M + 2 % SLS)
Celebrex® 100
Example 2A
Example 2B
Example 2C
Co-crystal Raw Drug
% Drug Released
120,0
100,0
80,0
60,0
40,0
20,0
0,0
0
20
40
60
80
100
120
140
Time (minutes)

Fig. 4)

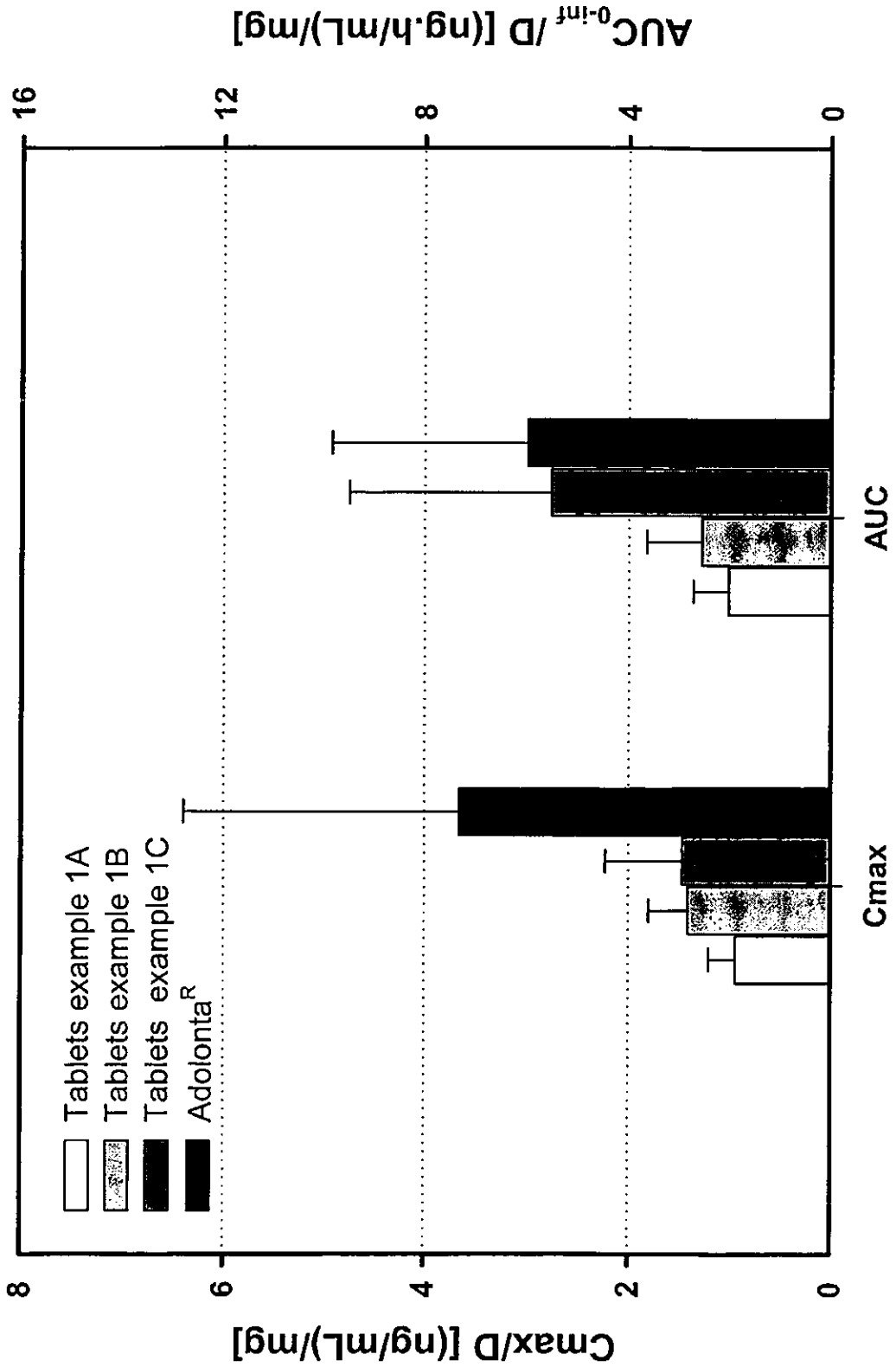

Cmax/D [(ng/mL)/mg]
AUC0-inf /D [(ng.h/mL)/mg]
Tablets example 1A
Tablets example 1B
Tablets example 1C
Adolonta®
Cmax
AUC
0
2
4
6
8
0
4
8
12
16

Fig. 5)

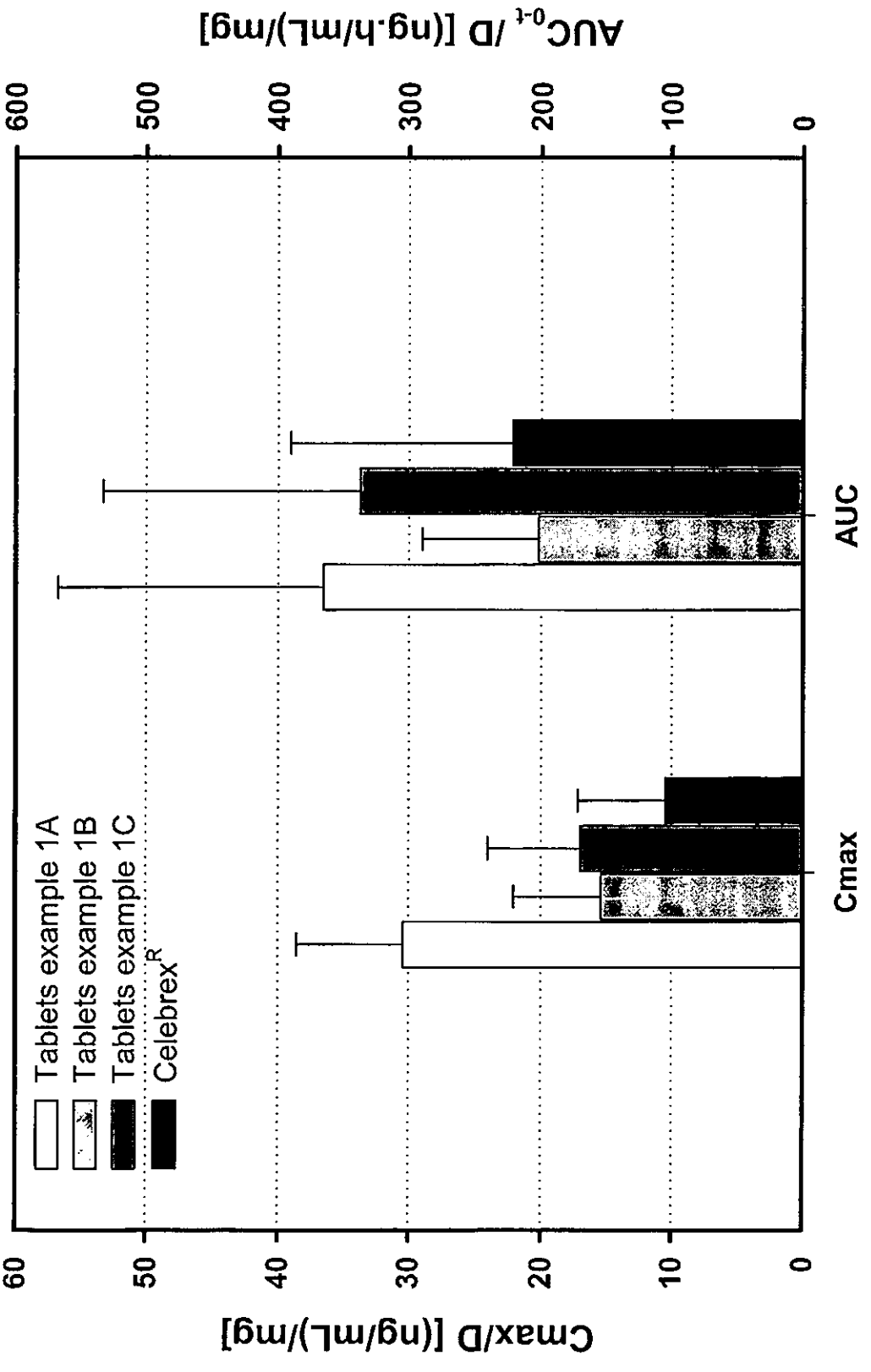

Cmax/D [(ng/mL)/mg]
0
10
20
30
40
50
60
AUC0-t /D [(ng.h/mL)/mg]
0
100
200
300
400
500
600
Tablets example 1A
Tablets example 1B
Tablets example 1C
Celebrex®
Cmax
AUC

Fig. 6)