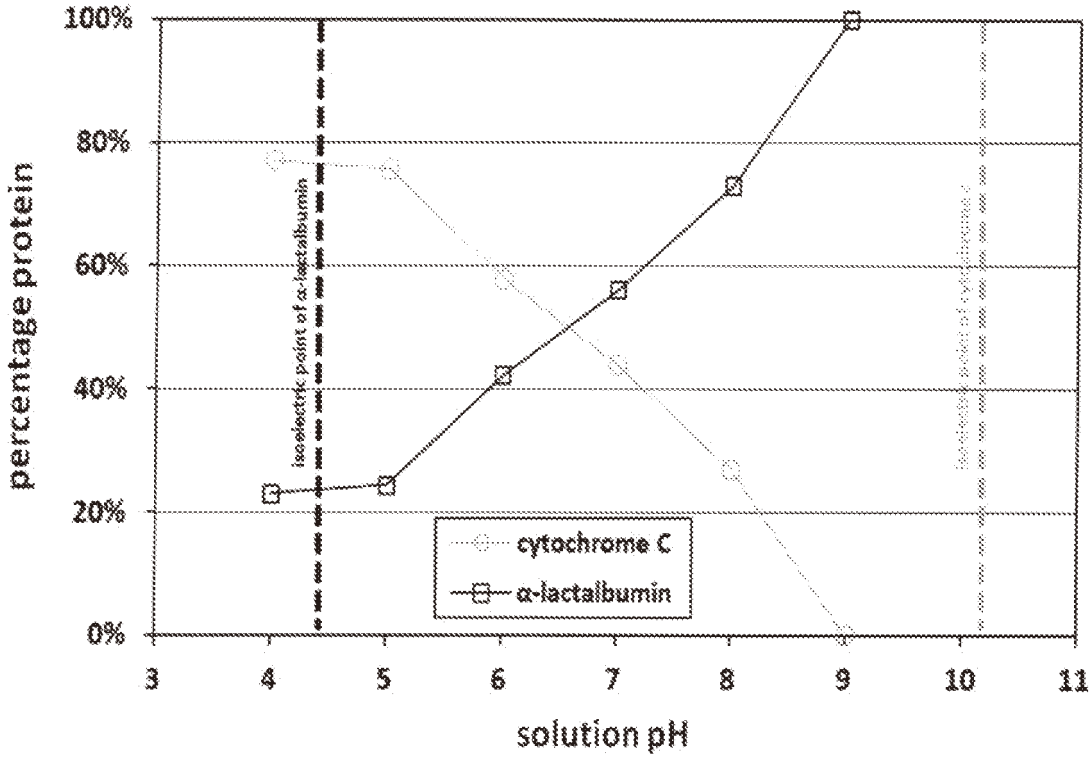

100%
80%
60%
40%
20%
0%
percentage protein
3
4
5
6
7
8
9
10
11
solution pH
isoelectric point of α-lactalbumin
isoelectric point of cytochrome C
cytochrome C
α-lactalbumin

Figure 1

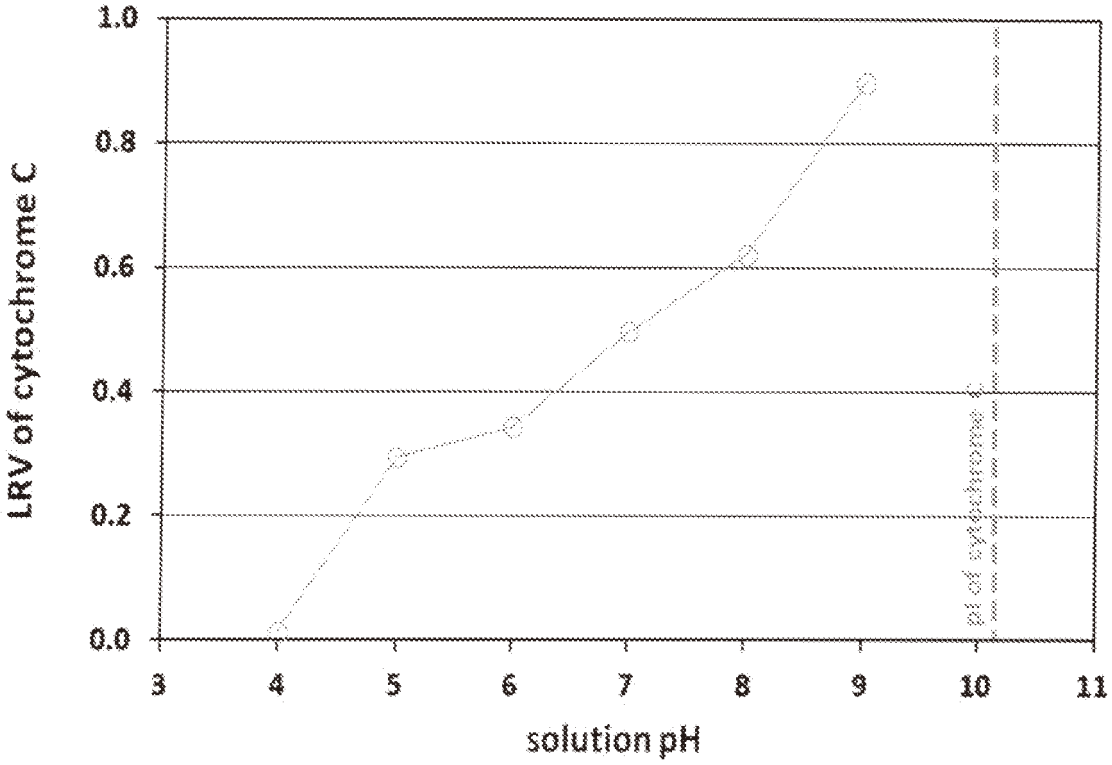

LRV of cytochrome C
1.0
0.8
0.6
0.4
0.2
0.0
3
4
5
6
7
8
9
10
11
solution pH
pI of cytochrome C

Figure 2

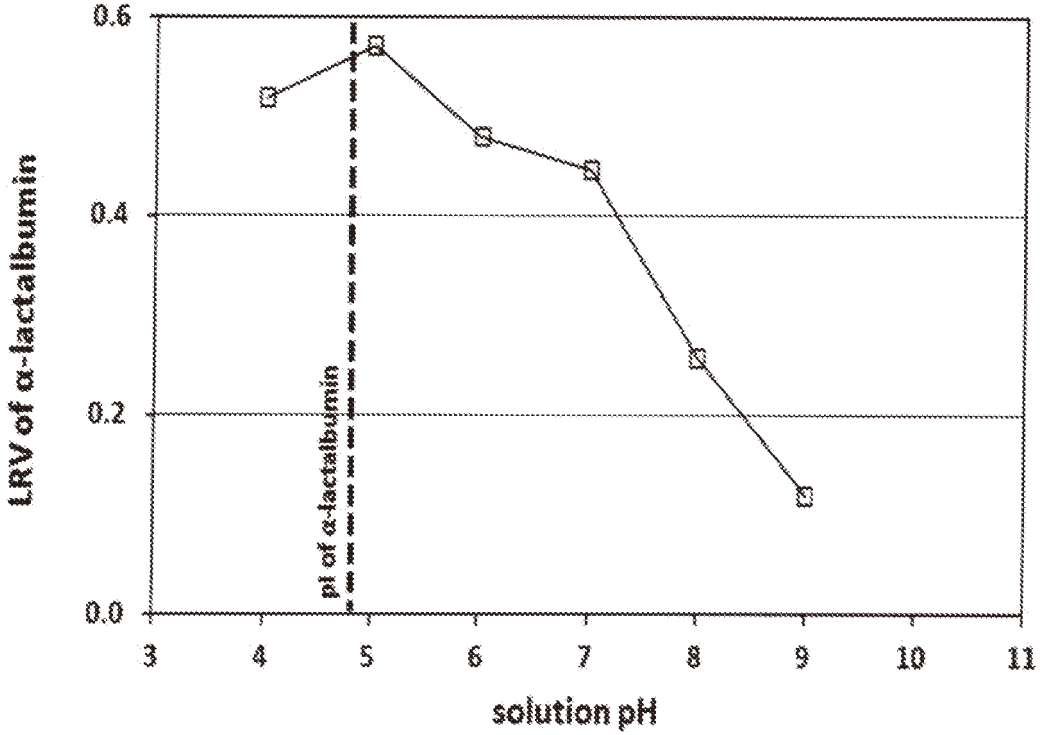

LRV of α-lactalbumin
0.6
0.4
0.2
0.0
pI of α-lactalbumin
3
4
5
6
7
8
9
10
11
solution pH

Figure 3

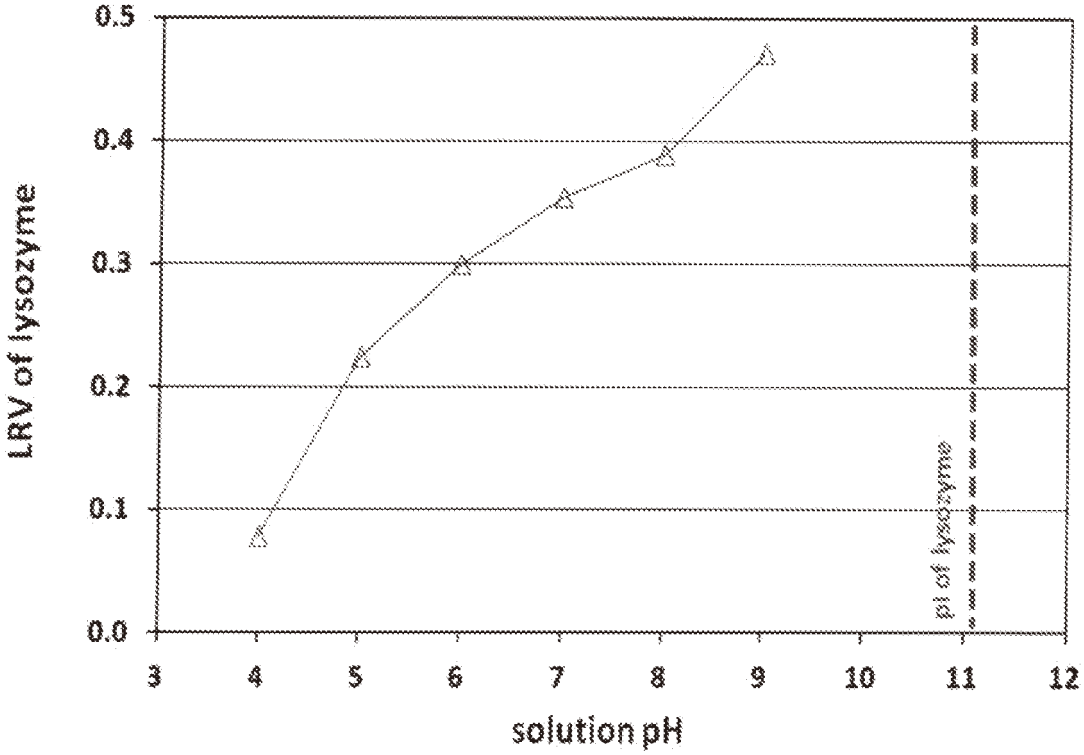

LRV of lysozyme
0.5
0.4
0.3
0.2
0.1
0.0
3
4
5
6
7
8
9
10
11
12
solution pH
pI of lysozyme

Figure 4

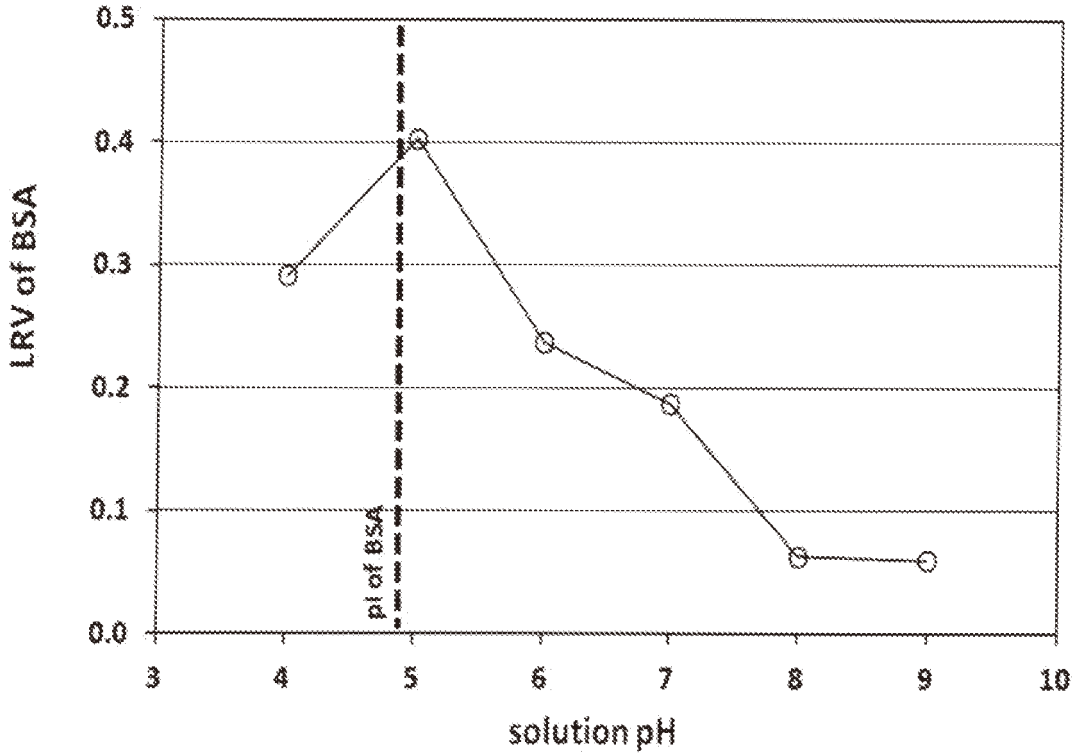


Figure 5

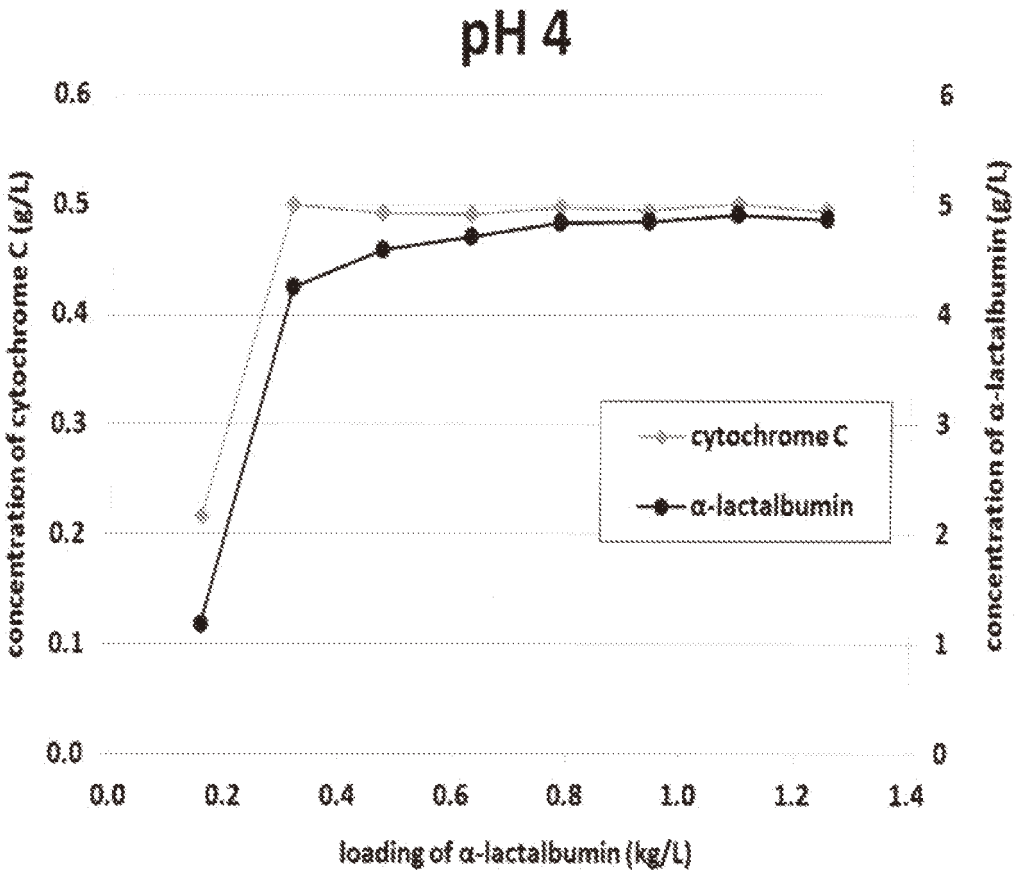

pH 4
concentration of cytochrome C (g/L)
concentration of α-lactalbumin (g/L)
loading of α-lactalbumin (kg/L)
cytochrome C
α-lactalbumin
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4
5
6
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4

Figure 6

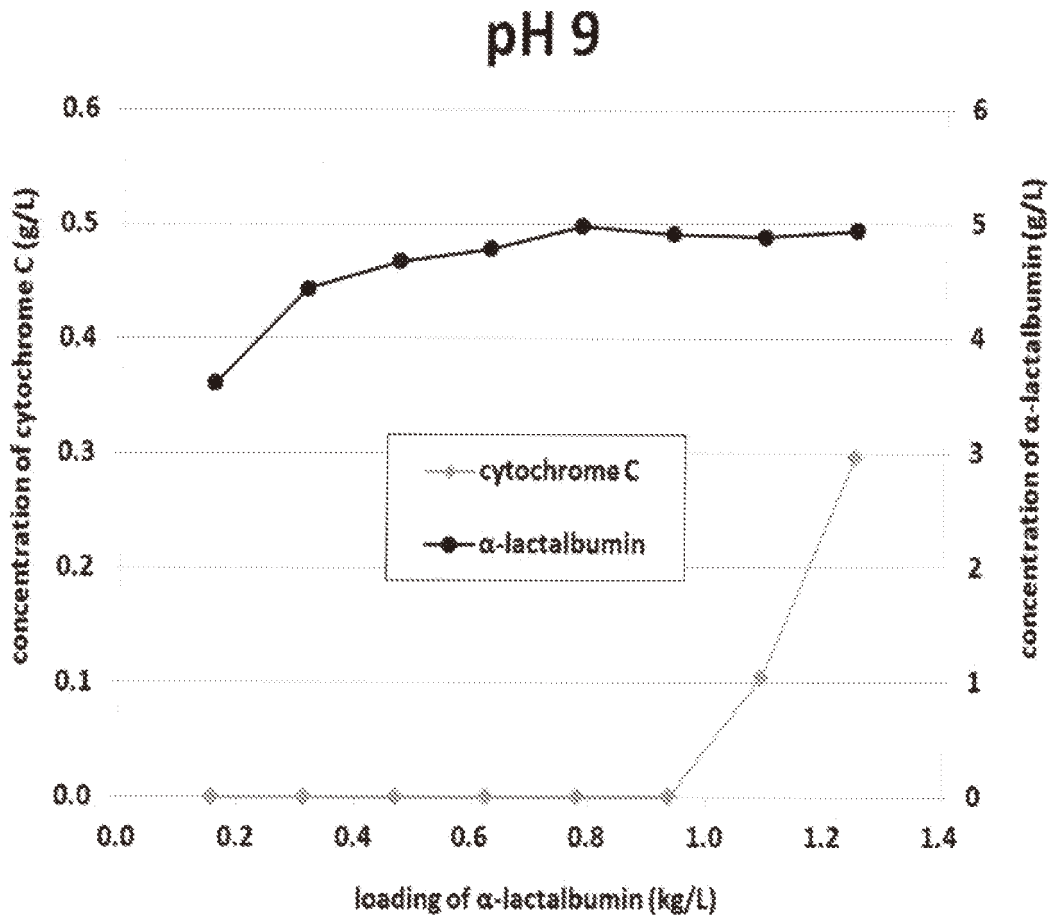

pH 9
concentration of cytochrome C (g/L)
concentration of α-lactalbumin (g/L)
cytochrome C
α-lactalbumin
loading of α-lactalbumin (kg/L)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4
5
6
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4

Figure 7