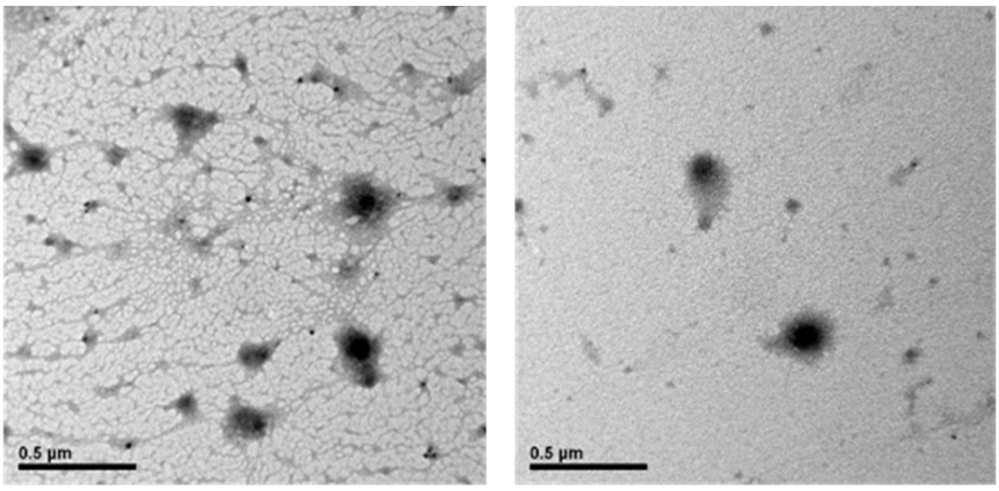
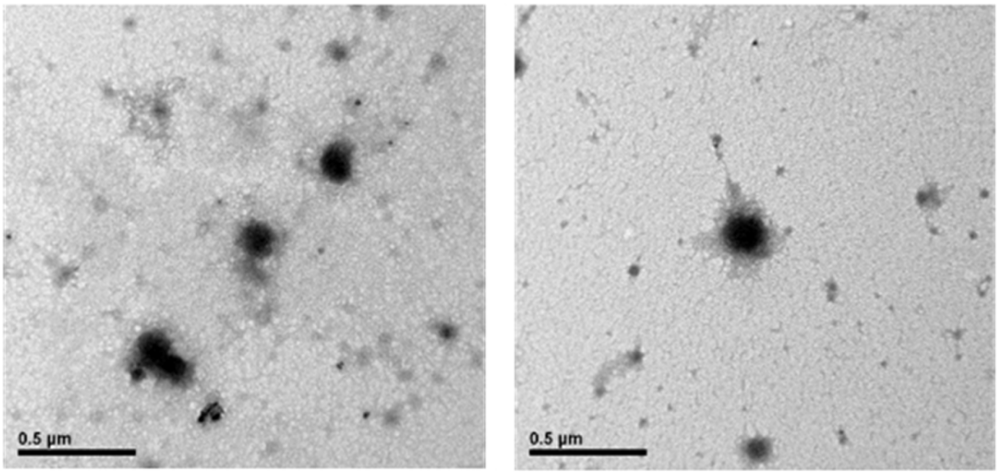
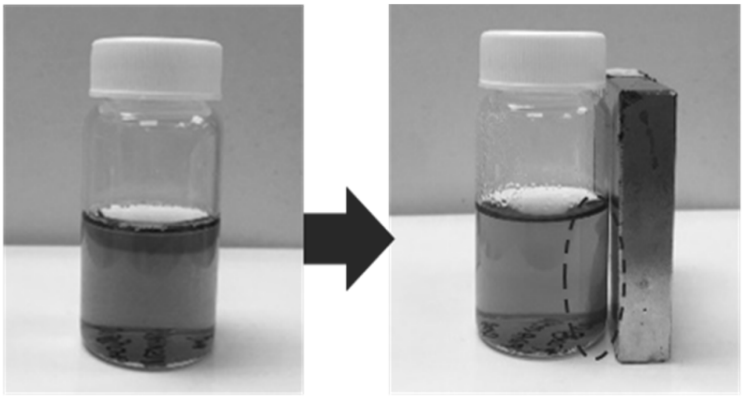


sample **2** sample **B**

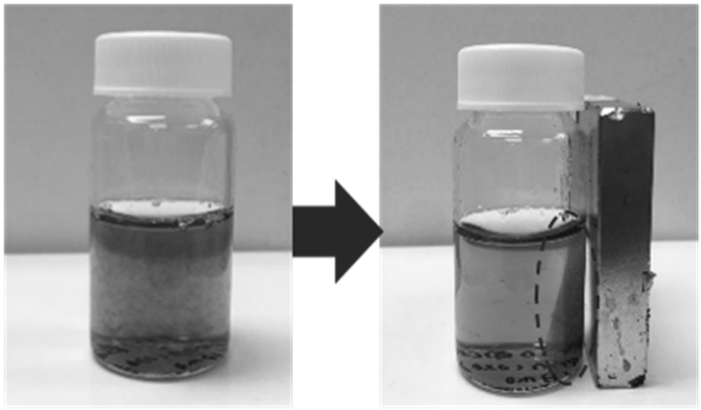


sample **3** sample **C**

FIG. 1



sample **B**



sample **C**

FIG. 2

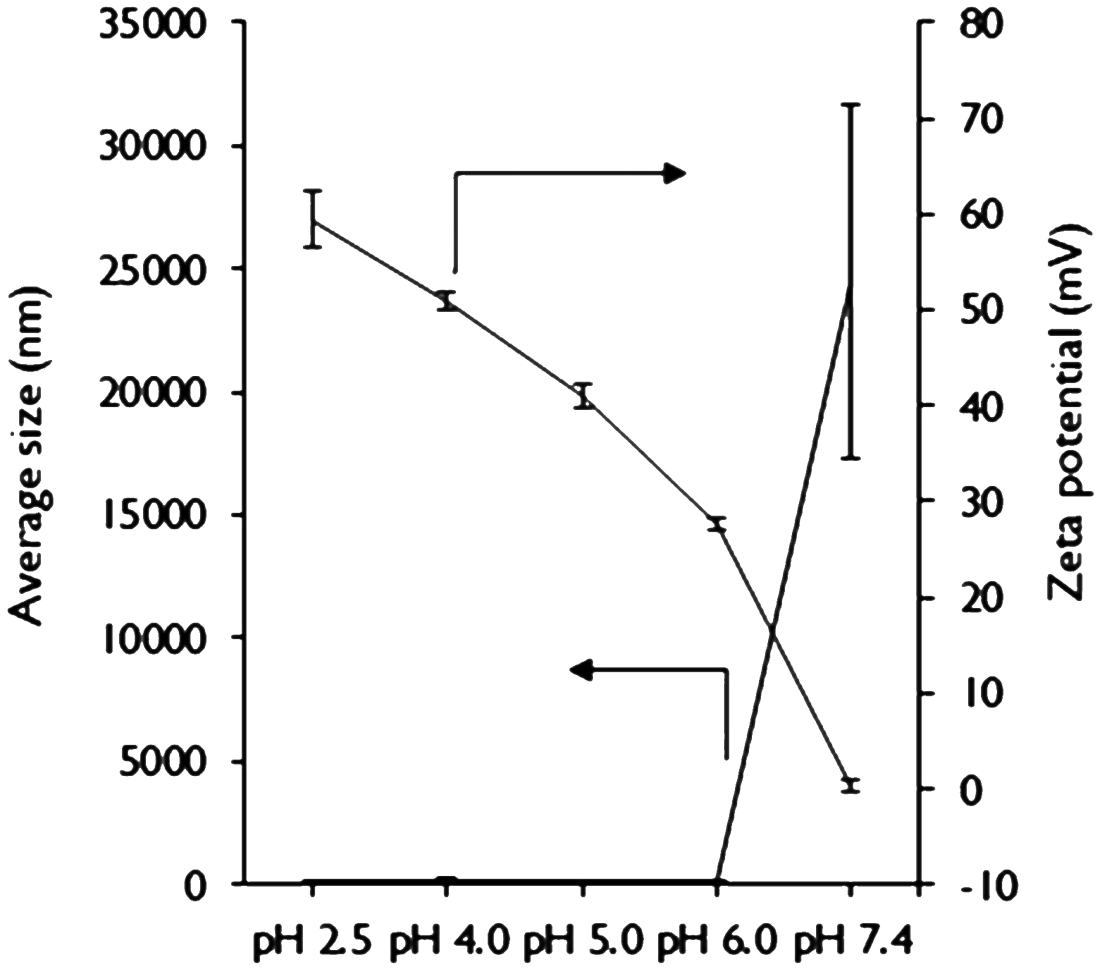

35000
30000
25000
20000
15000
10000
5000
0
Average size (nm)
80
70
60
50
40
30
20
10
0
-10
Zeta potential (mV)
pH 2.5
pH 4.0
pH 5.0
pH 6.0
pH 7.4

FIG. 3

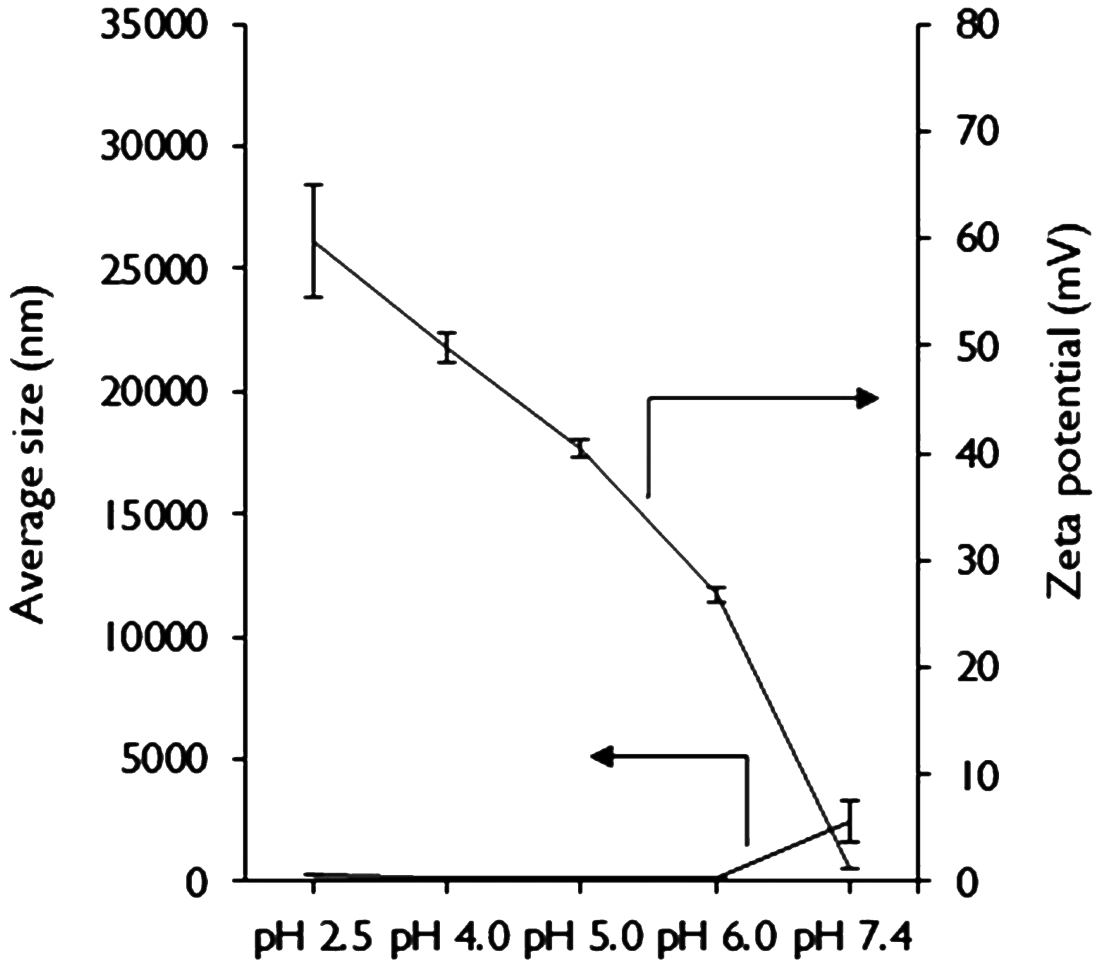

35000
30000
25000
20000
15000
10000
5000
0
Average size (nm)
80
70
60
50
40
30
20
10
0
Zeta potential (mV)
pH 2.5
pH 4.0
pH 5.0
pH 6.0
pH 7.4

FIG. 4

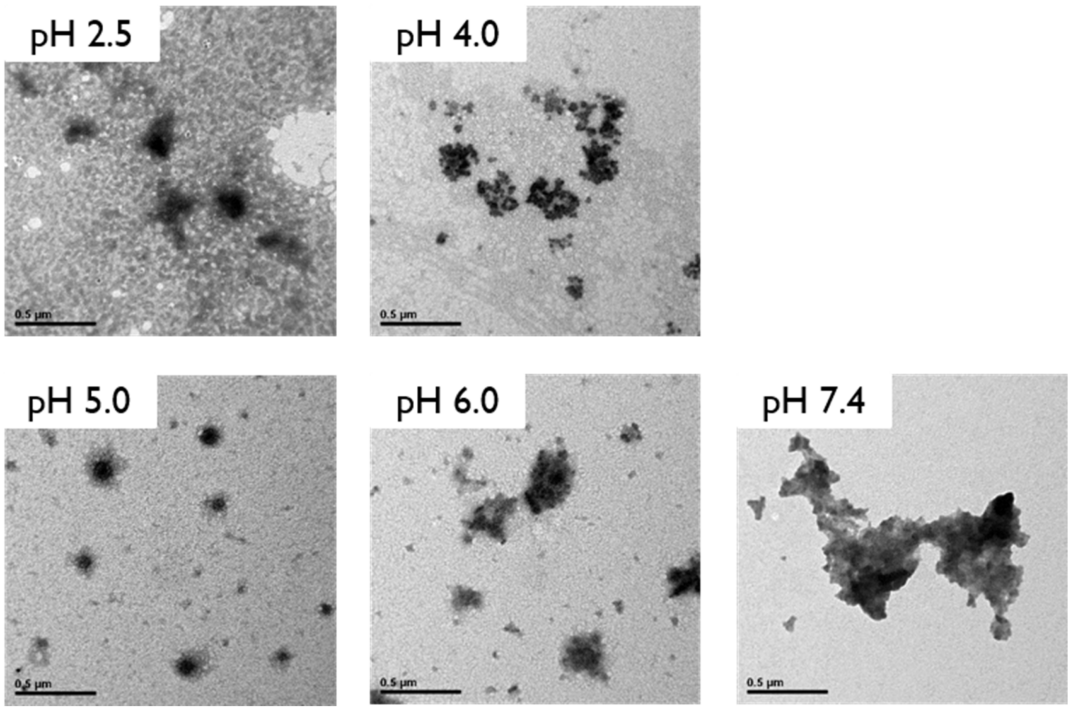


FIG. 5

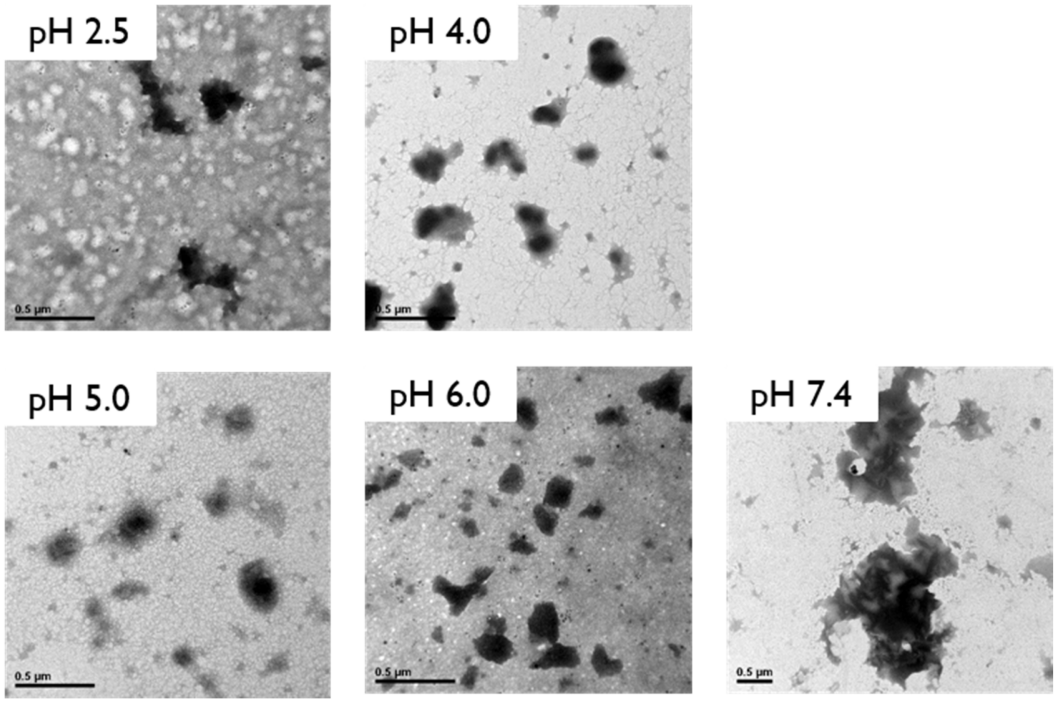


FIG. 6

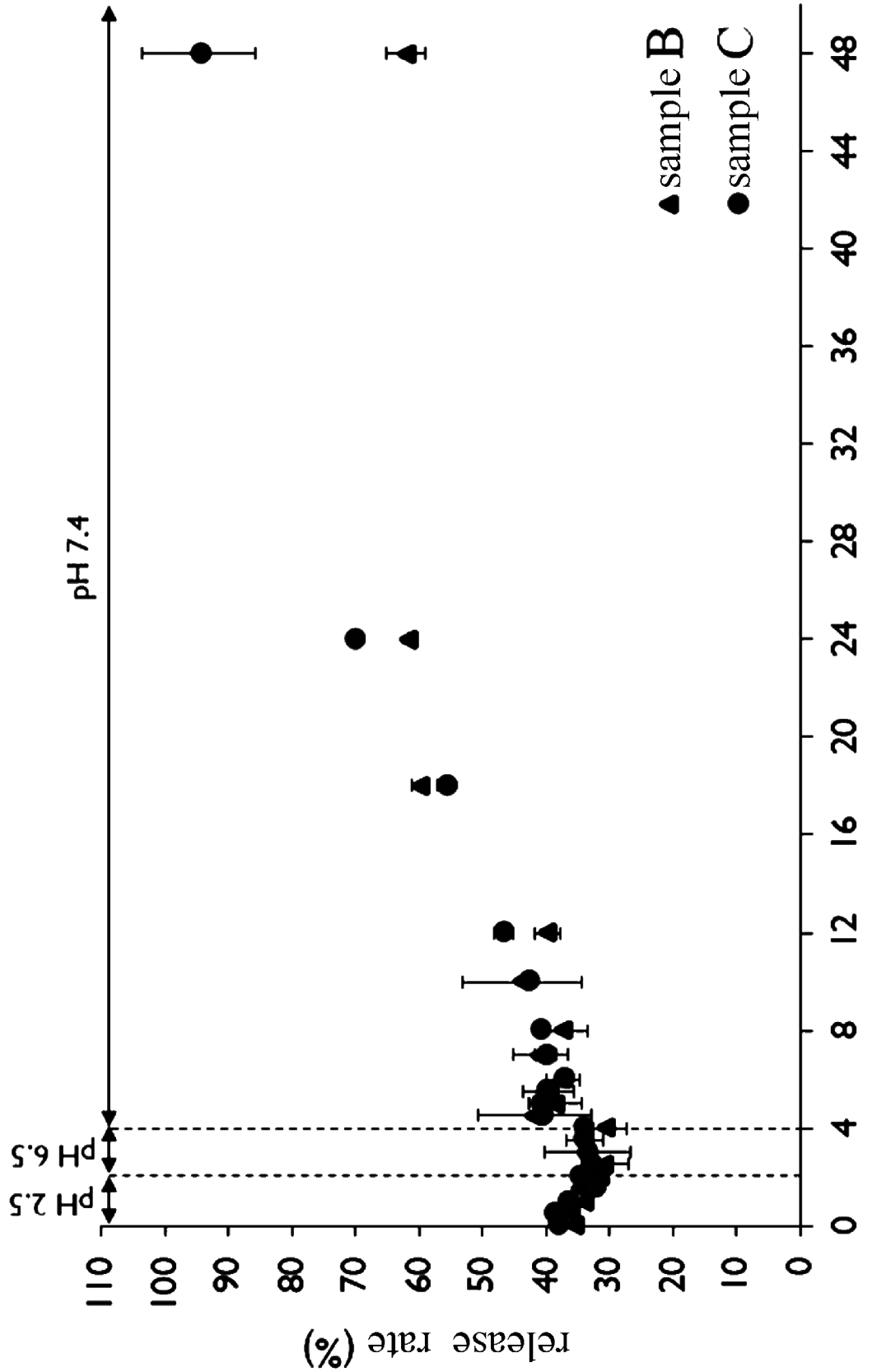

release rate (%)
0
10
20
30
40
50
60
70
80
90
100
110
time (hr)
0
4
8
12
16
20
24
28
32
36
40
44
48
sample B
sample C
pH 7.4
pH 6.5
pH 2.5

FIG. 7

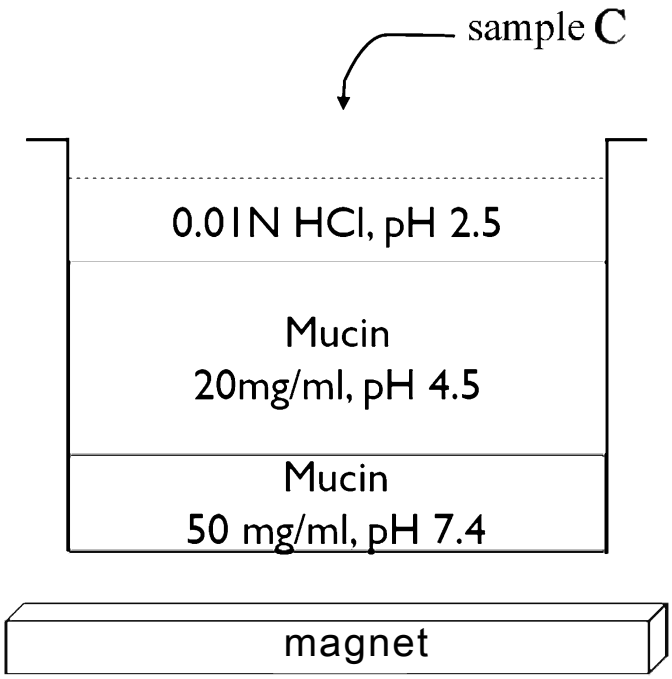
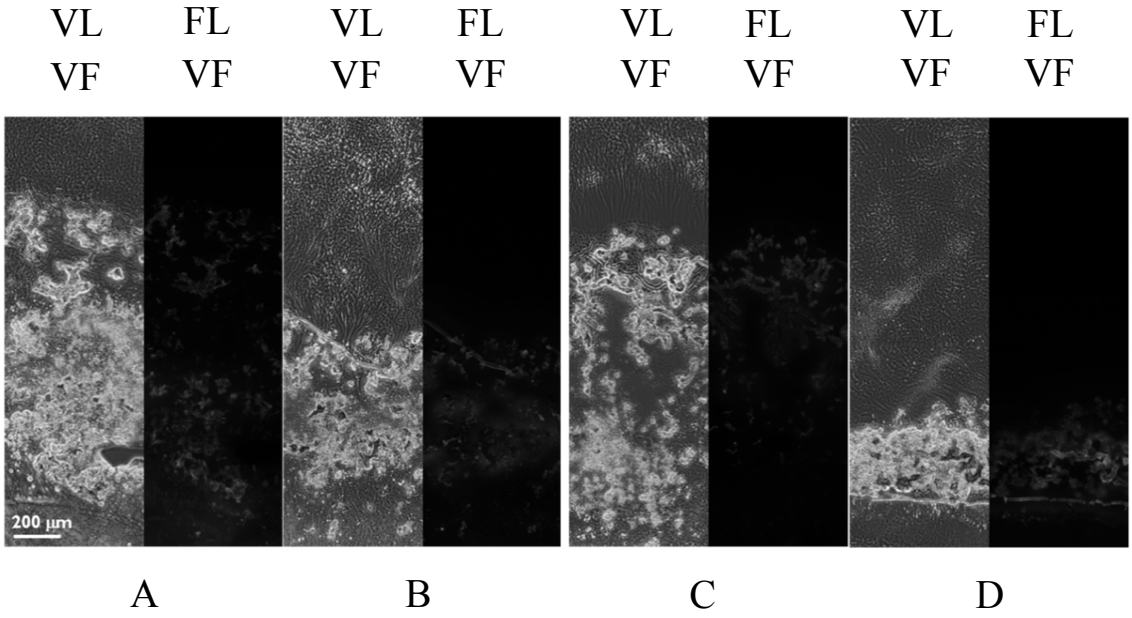

sample C
0.01N HCl, pH 2.5
Mucin
20mg/ml, pH 4.5
Mucin
50 mg/ml, pH 7.4
magnet

FIG. 8



A:
in the absence of applied magnetic field for 5 minutes

B:
in the presence of applied magnetic field for 5 minutes

C:
in the absence of applied magnetic field for 10 minutes

D:
in the presence of applied magnetic field for 10 minutes

VL:
visible light

FL:
fluorescent light

VF:
visual field

FIG. 9

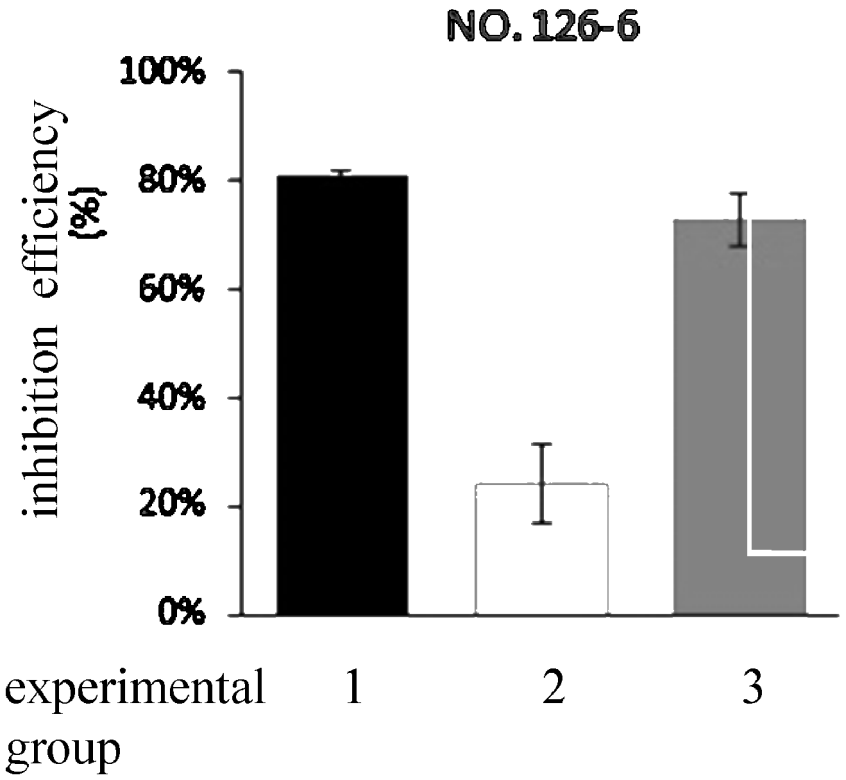

NO. 126-6
inhibition efficiency (%)
100%
80%
60%
40%
20%
0%
experimental group
1
2
3

FIG. 10

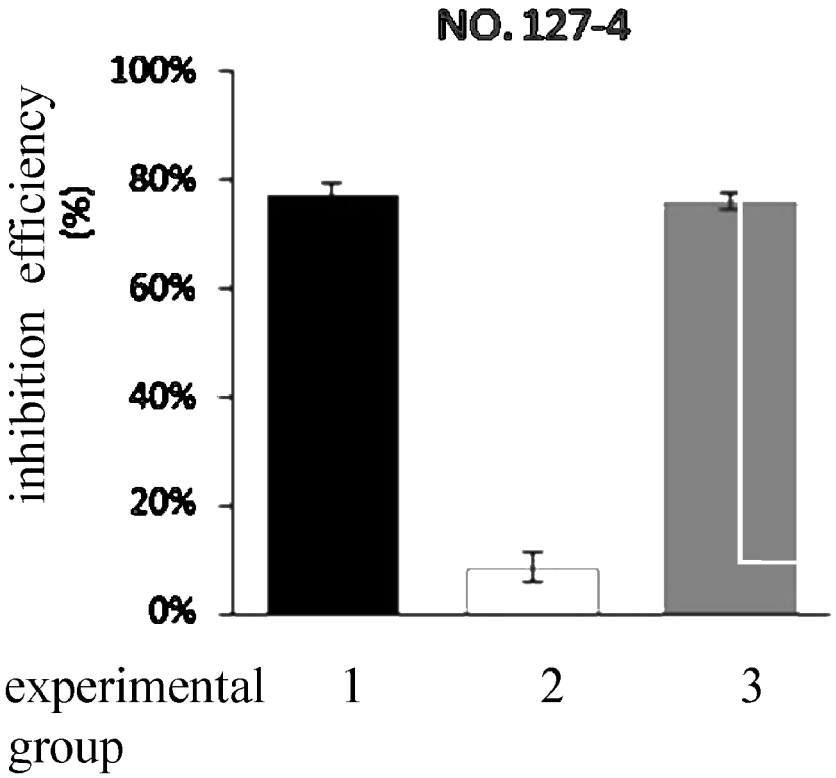

NO. 127-4
inhibition efficiency (%)
100%
80%
60%
40%
20%
0%
experimental group
1
2
3

FIG. 11

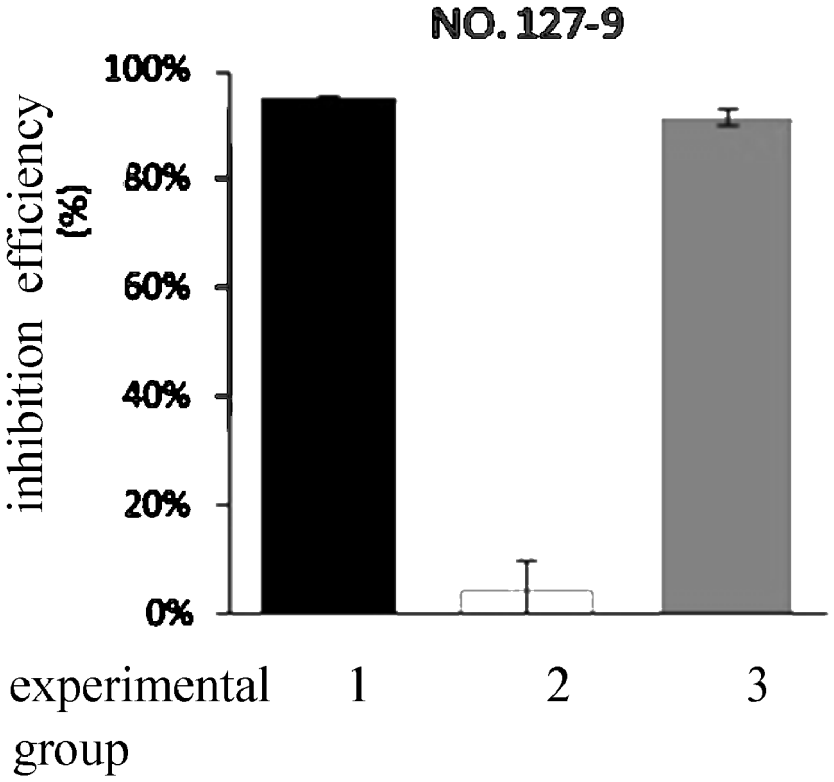

NO. 127-9
100%
80%
60%
40%
20%
0%
inhibition efficiency (%)
experimental group
1
2
3

FIG. 12

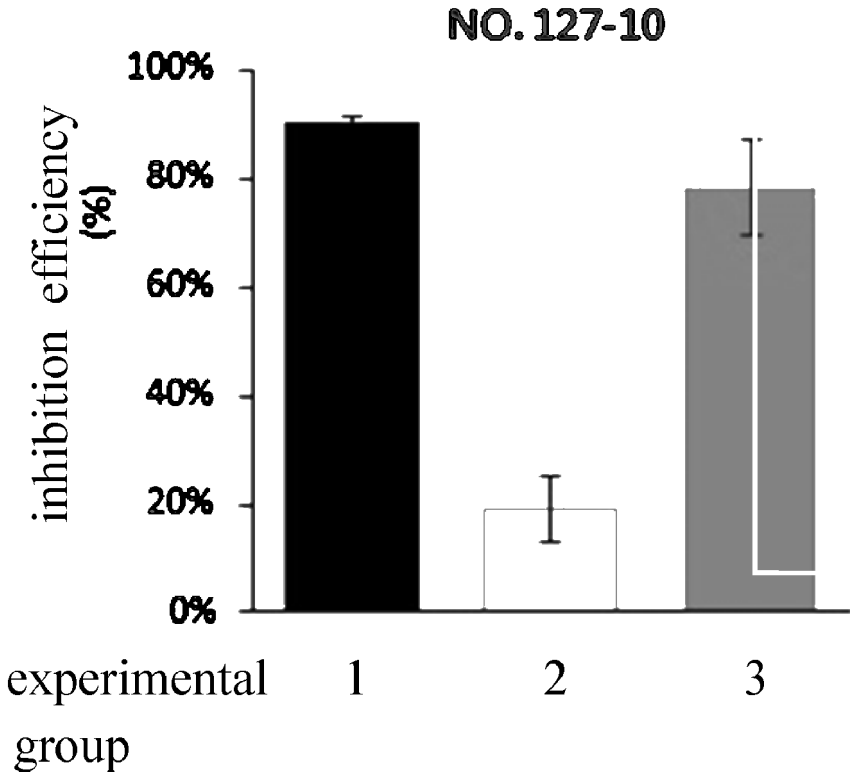

NO. 127-10
100%
80%
60%
40%
20%
0%
inhibition efficiency (%)
experimental group
1
2
3

FIG. 13

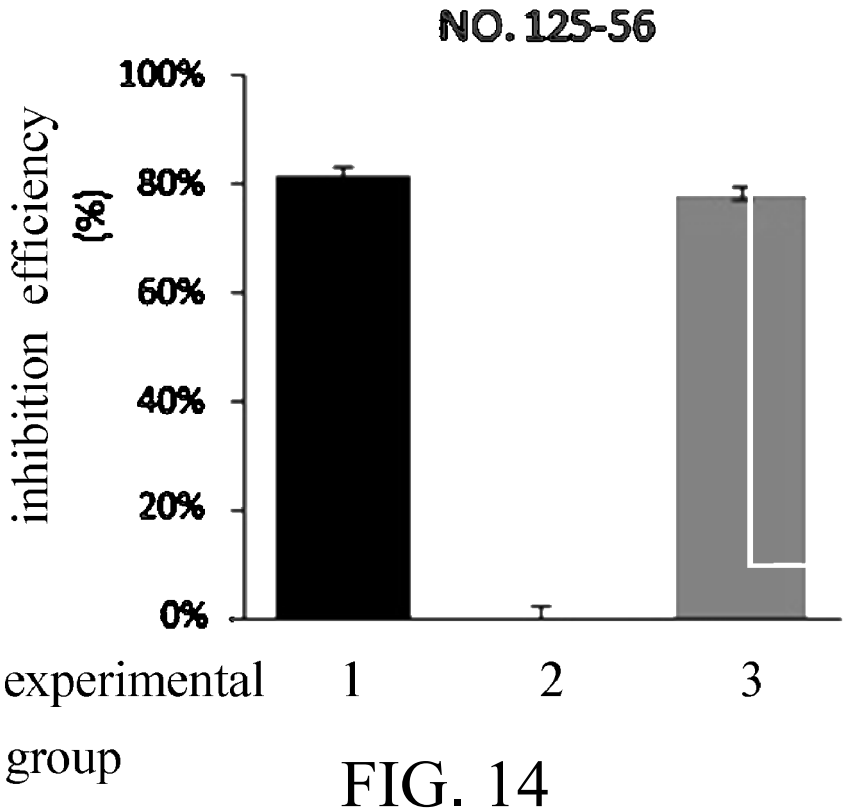

NO. 125-56
100%
80%
60%
40%
20%
0%
inhibition efficiency (%)
experimental group
1
2
3

FIG. 14

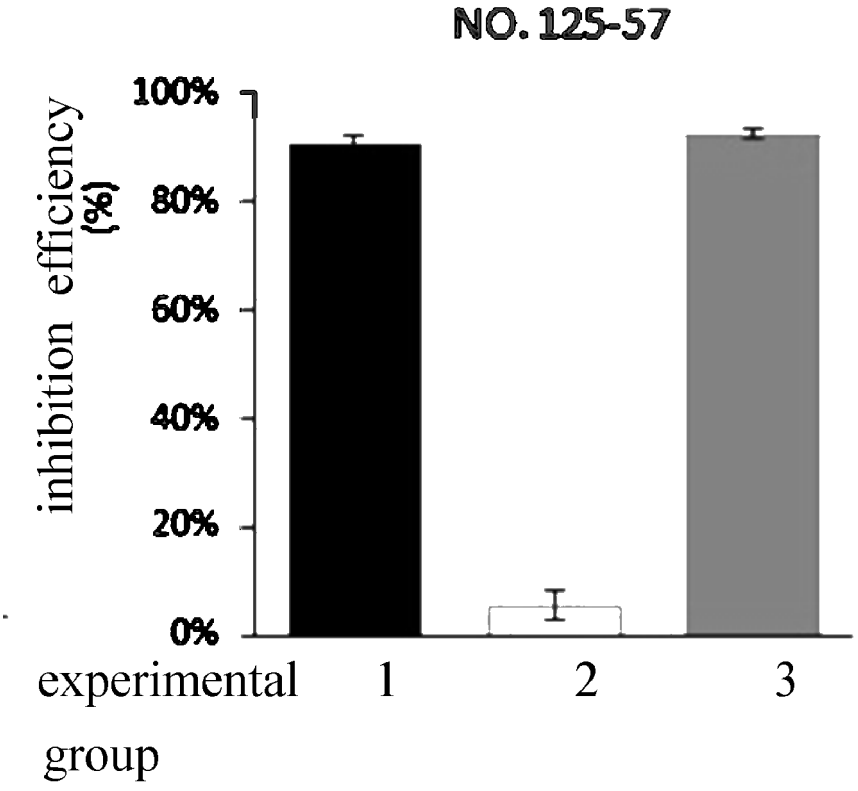

NO. 125-57
100%
80%
60%
40%
20%
0%
inhibition efficiency (%)
experimental group
1
2
3

FIG. 15

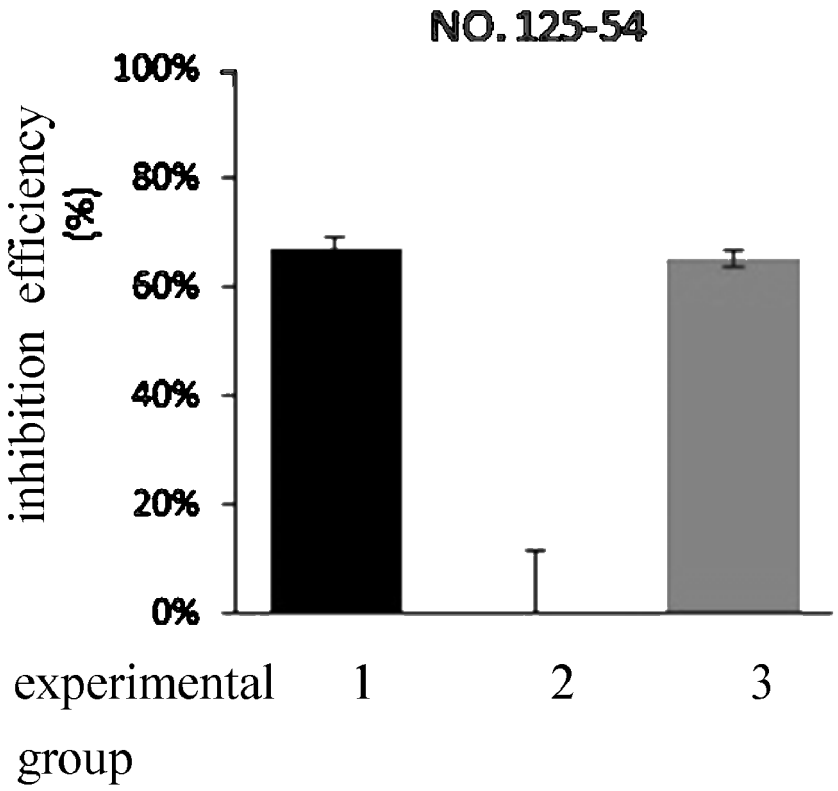

NO. 125-54
inhibition efficiency (%)
100%
80%
60%
40%
20%
0%
experimental group
1
2
3

FIG. 16