FIG. 1:

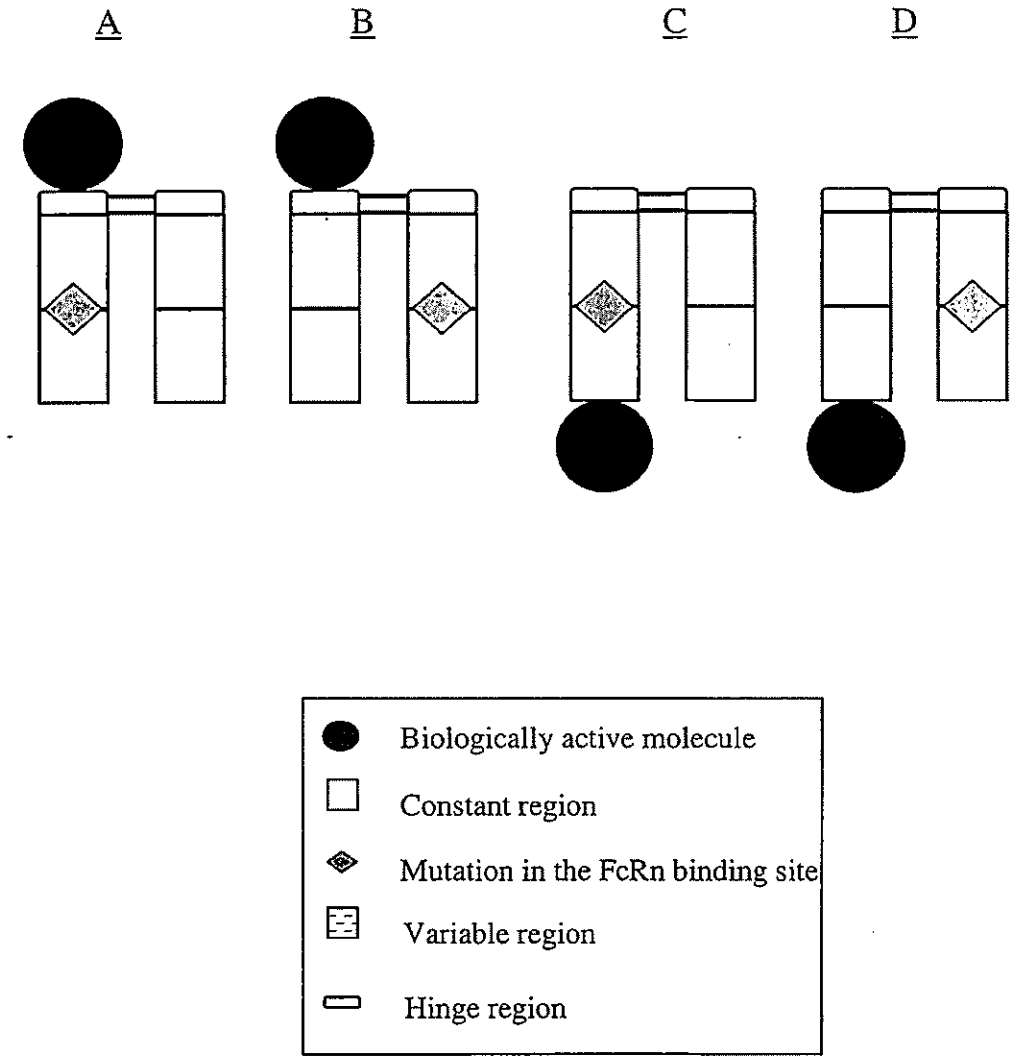

A
B
C
D
Biologically active molecule
Constant region
Mutation in the FcRn binding site
Variable region
Hinge region

FIG. 2

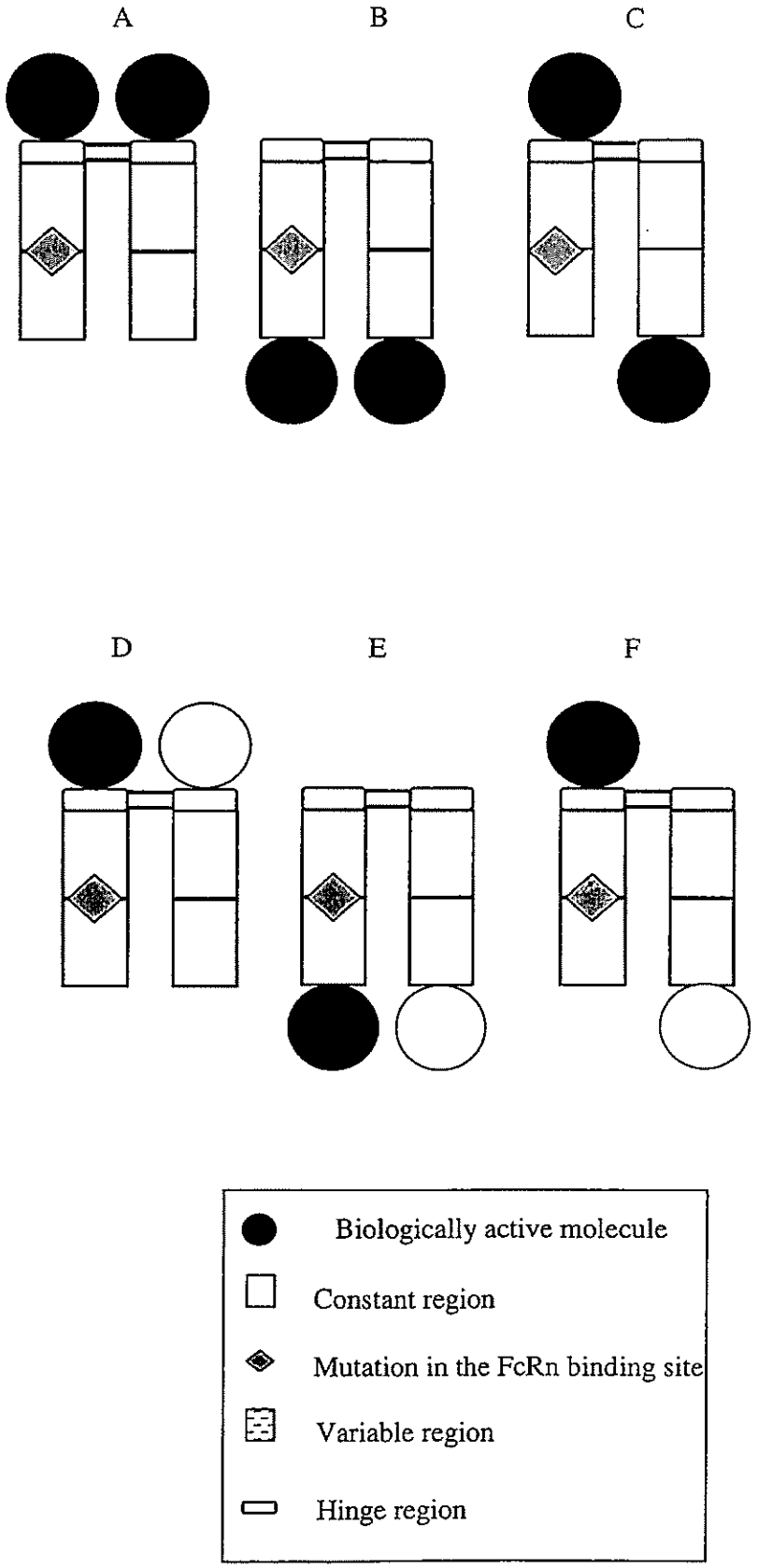

A
B
C
D
E
F
Biologically active molecule
Constant region
Mutation in the FcRn binding site
Variable region
Hinge region

FIG. 3

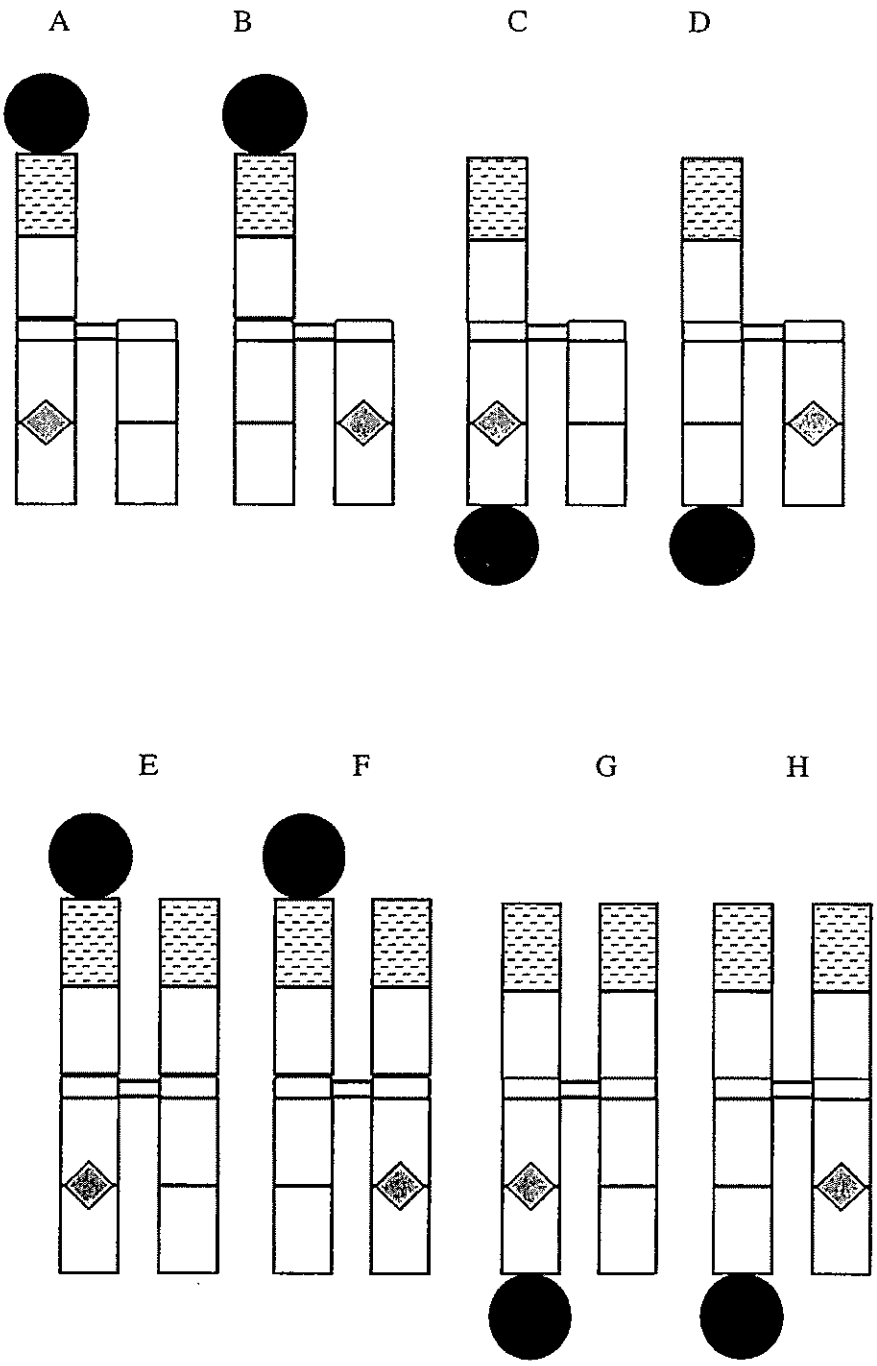


FIG. 4

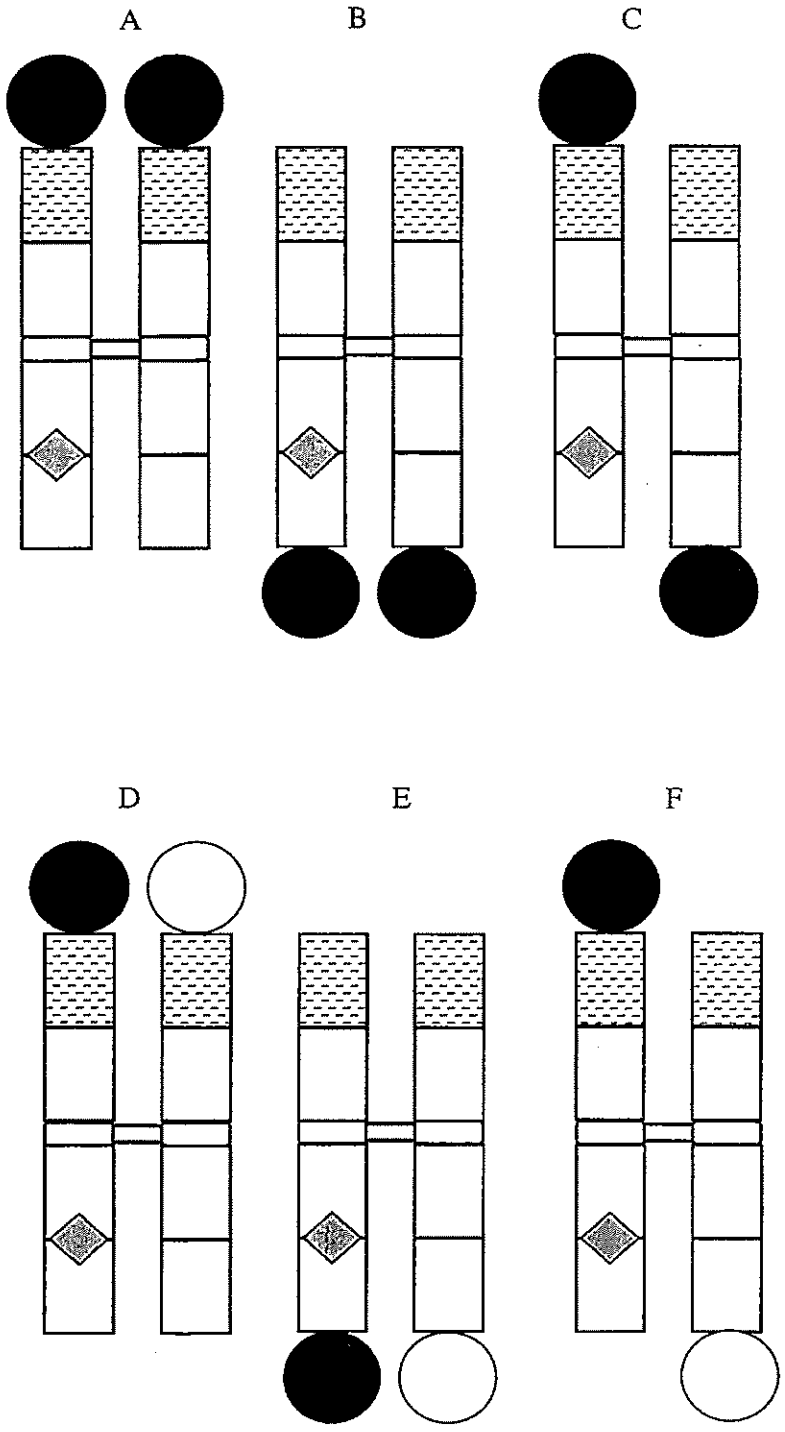


FIG. 5

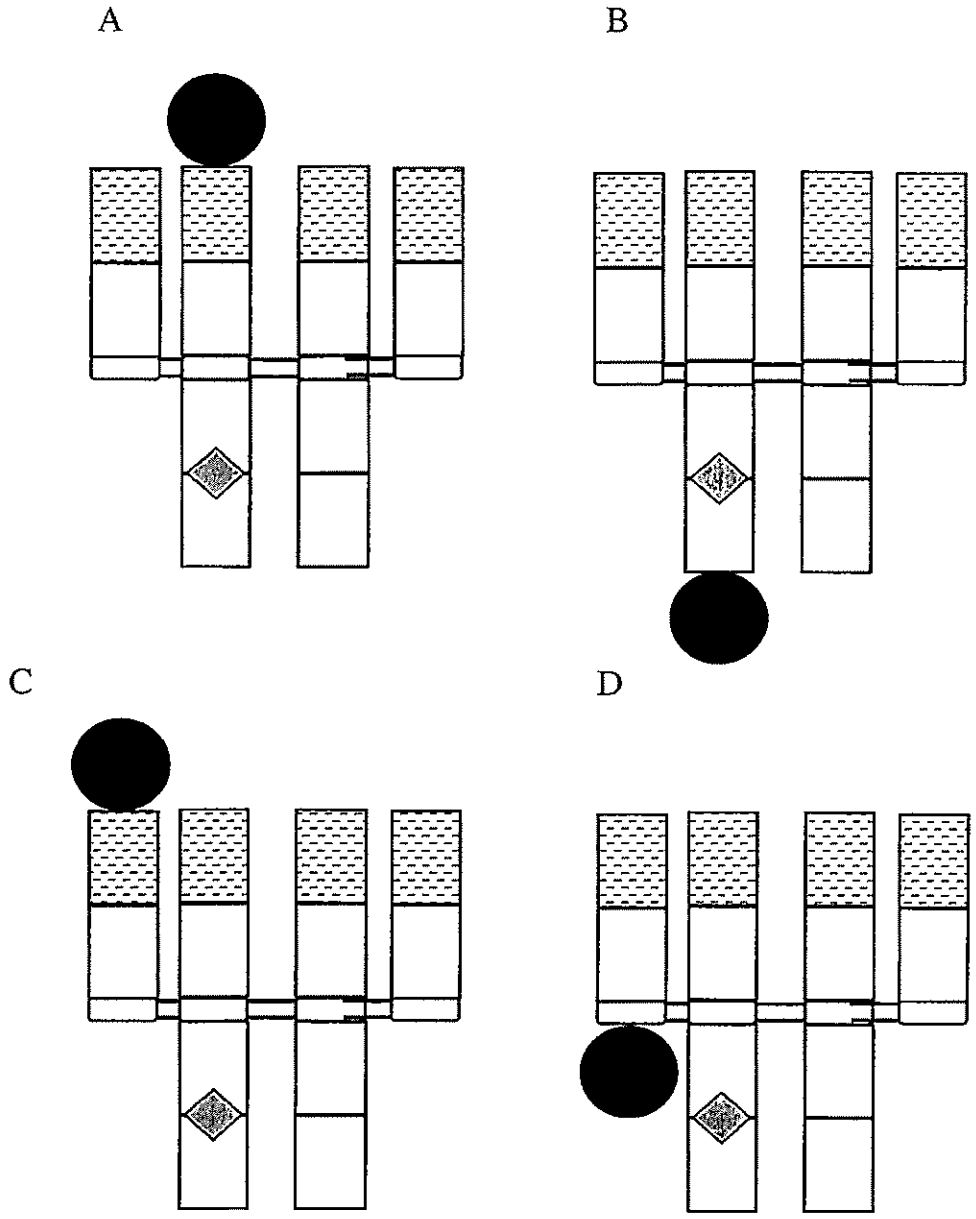


FIG. 6

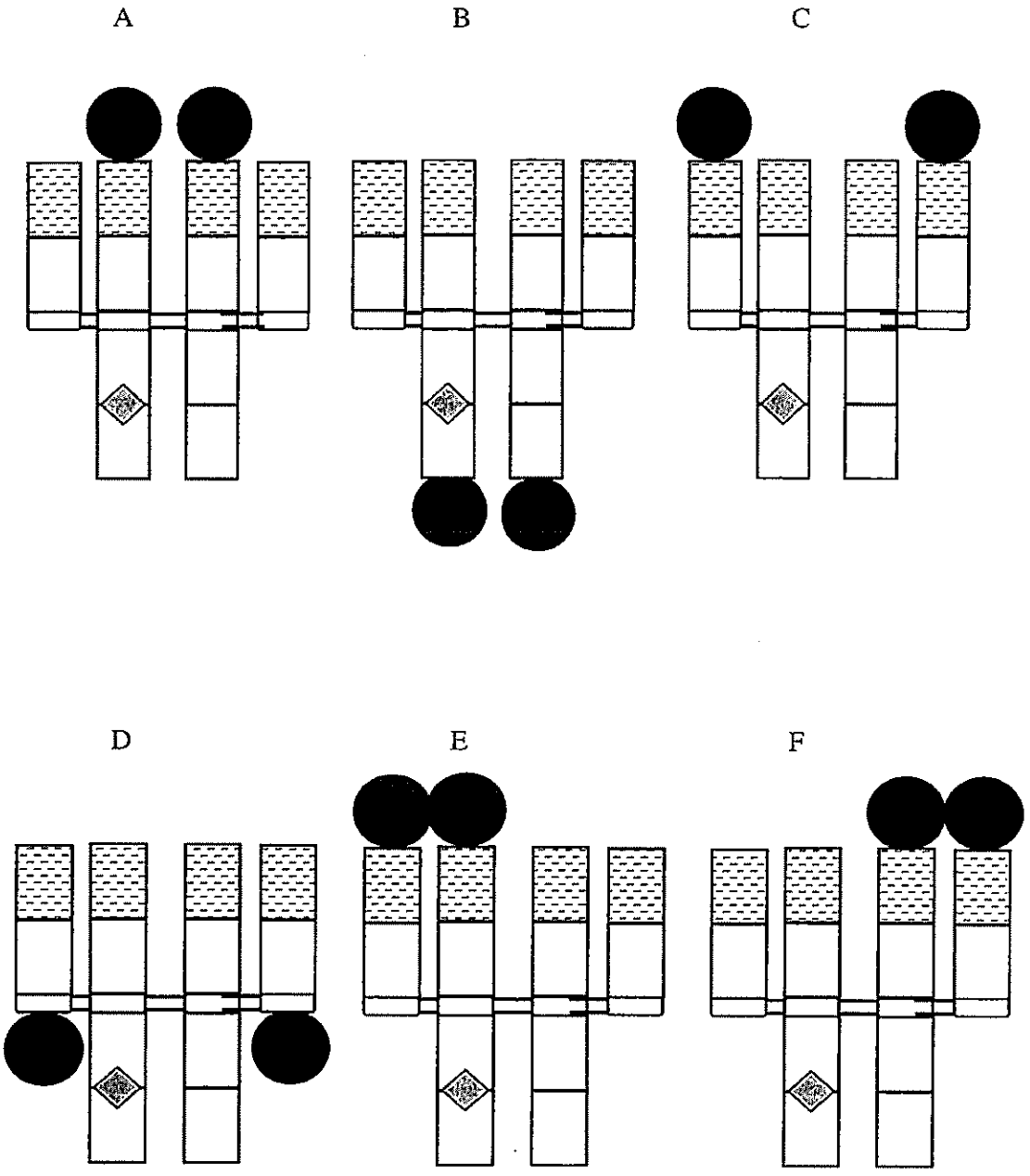


FIG. 7

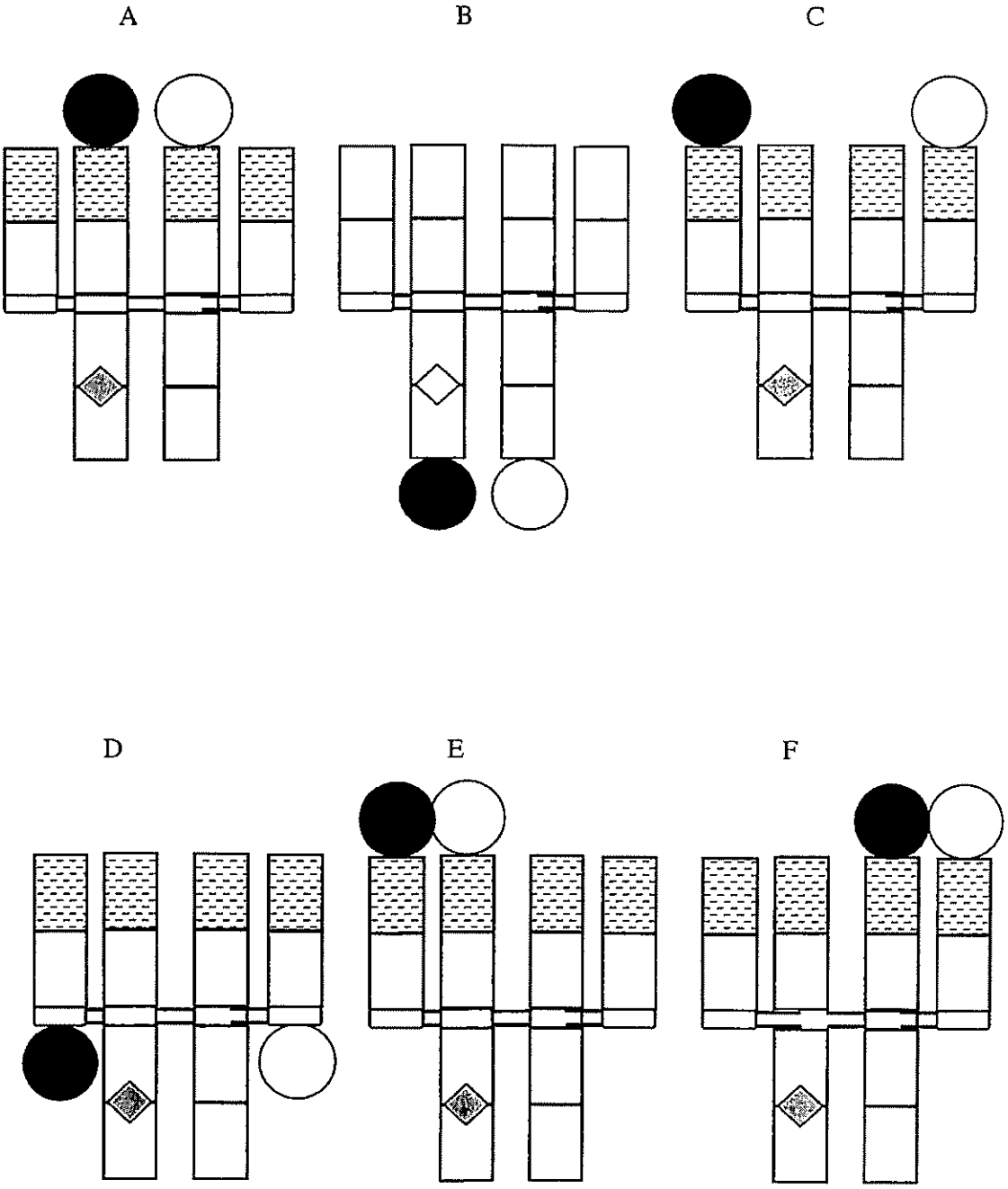


FIG. 8

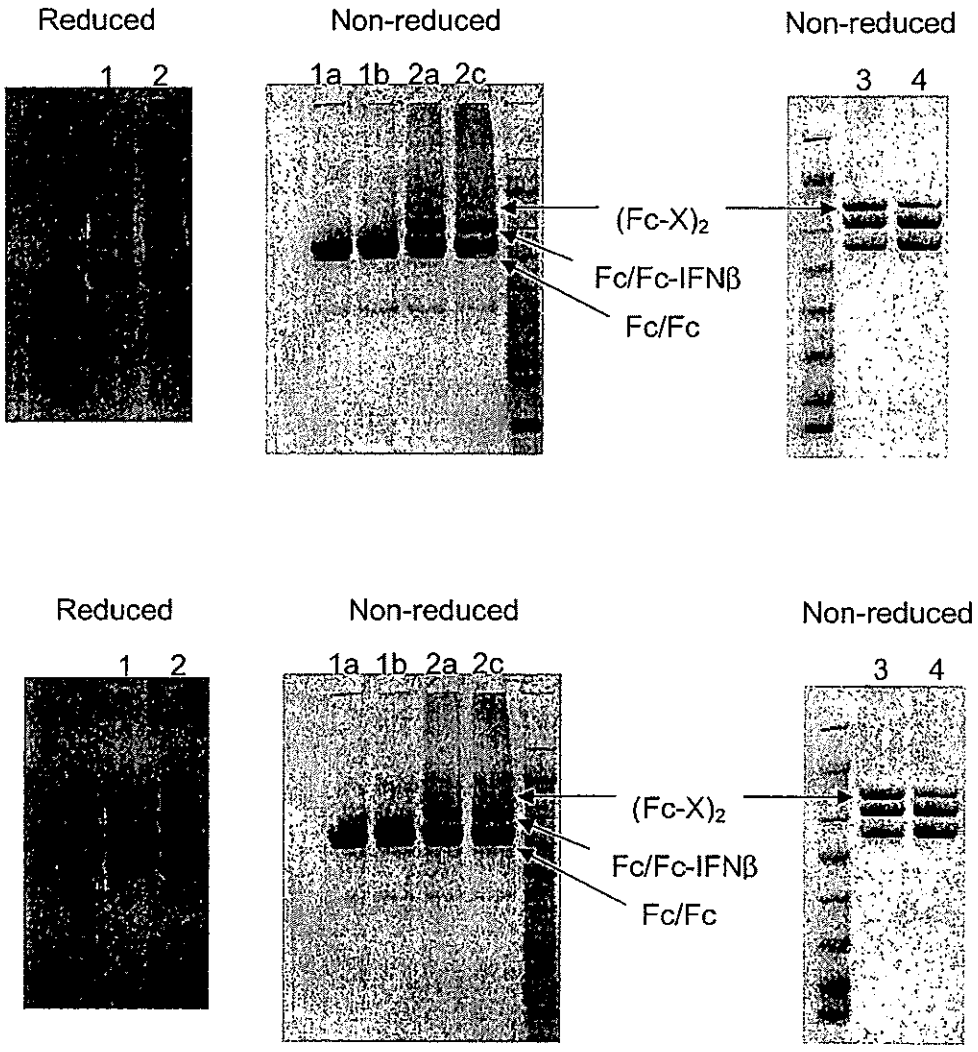

Reduced
Non-reduced
Non-reduced
1 2
1a 1b 2a 2c
3 4
(Fc-X)2
Fc/Fc-IFNβ
Fc/Fc
Reduced
Non-reduced
Non-reduced
1 2
1a 1b 2a 2c
3 4
(Fc-X)2
Fc/Fc-IFNβ
Fc/Fc

FIG. 9

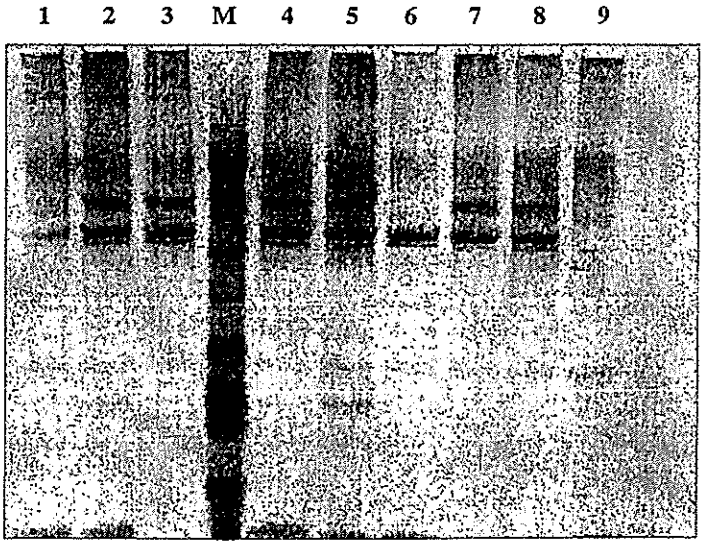

1 2 3 M 4 5 6 7 8 9

FIG. 10

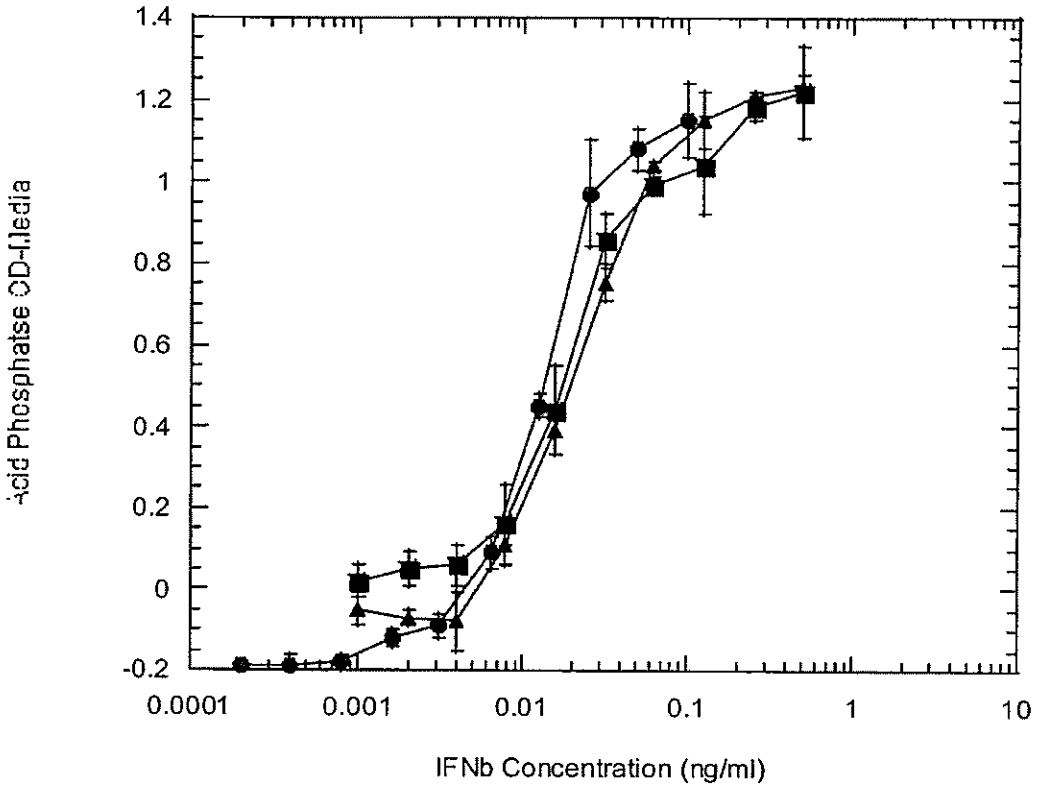

1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0.0001
0.001
0.01
0.1
1
10
IFNb Concentration (ng/ml)

FIG. 11

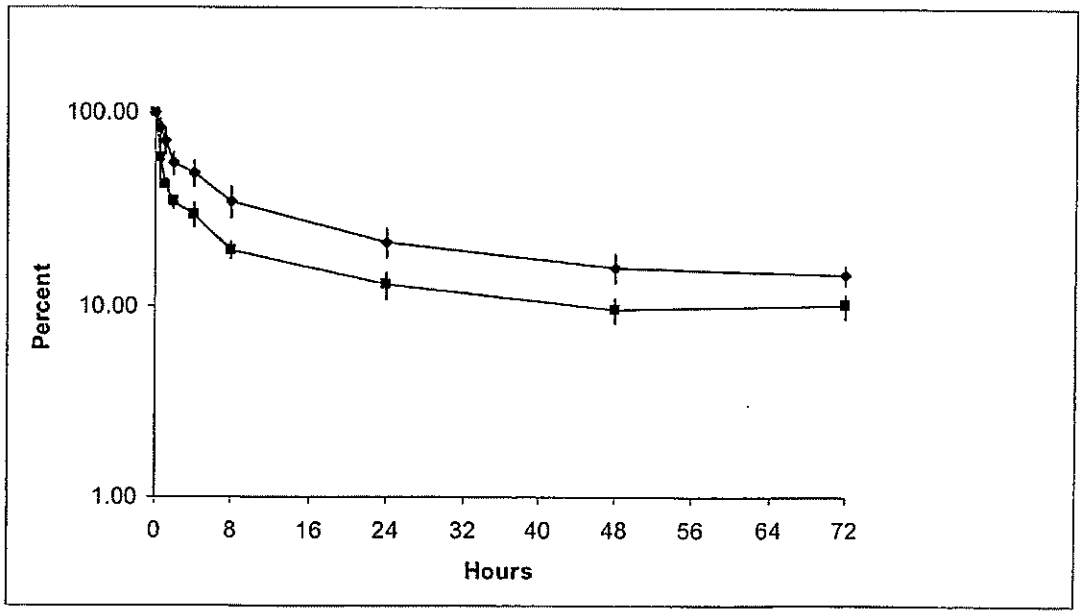

100.00
10.00
1.00
Percent
0
8
16
24
32
40
48
56
64
72
Hours

FIG. 12

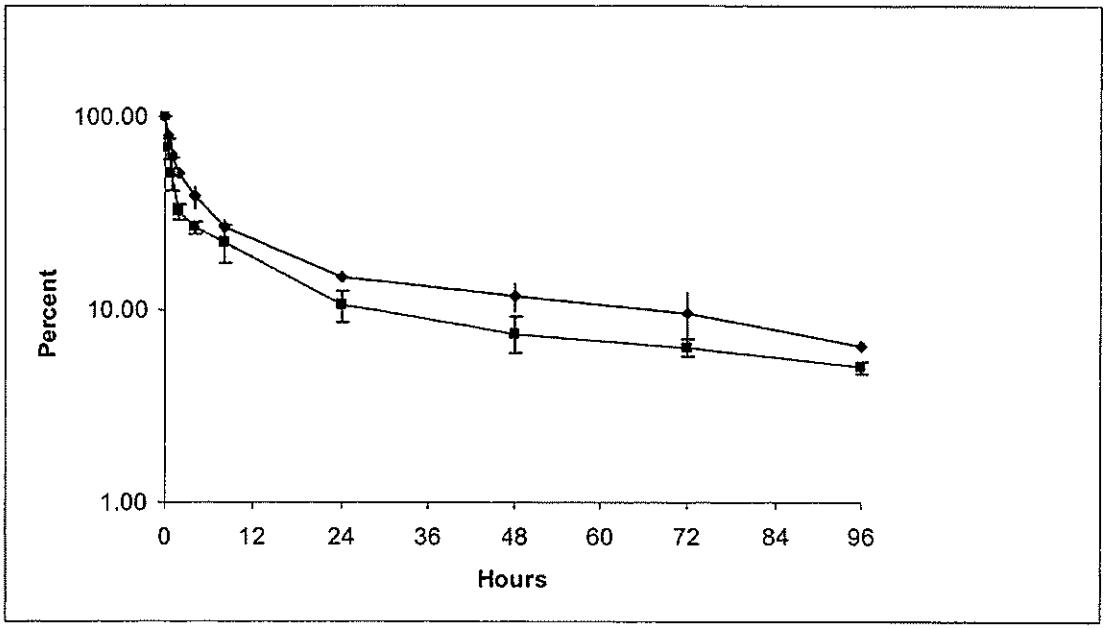

100.00
10.00
1.00
Percent
0
12
24
36
48
60
72
84
96
Hours

FIG. 13

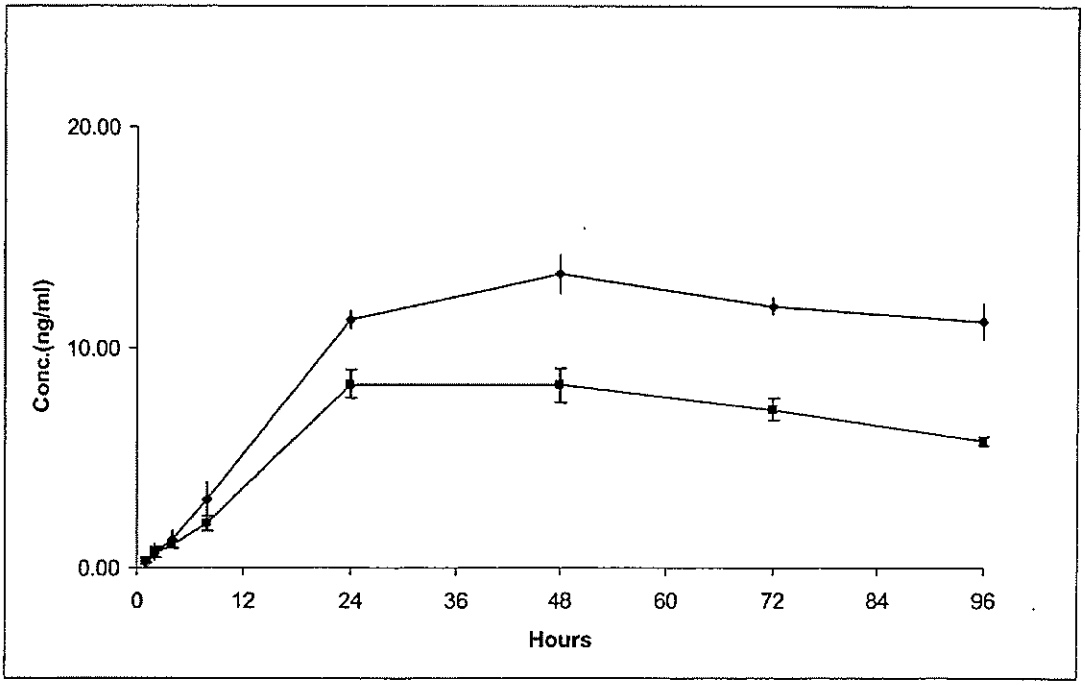

20.00
10.00
0.00
Conc.(ng/ml)
0
12
24
36
48
60
72
84
96
Hours

FIG. 14

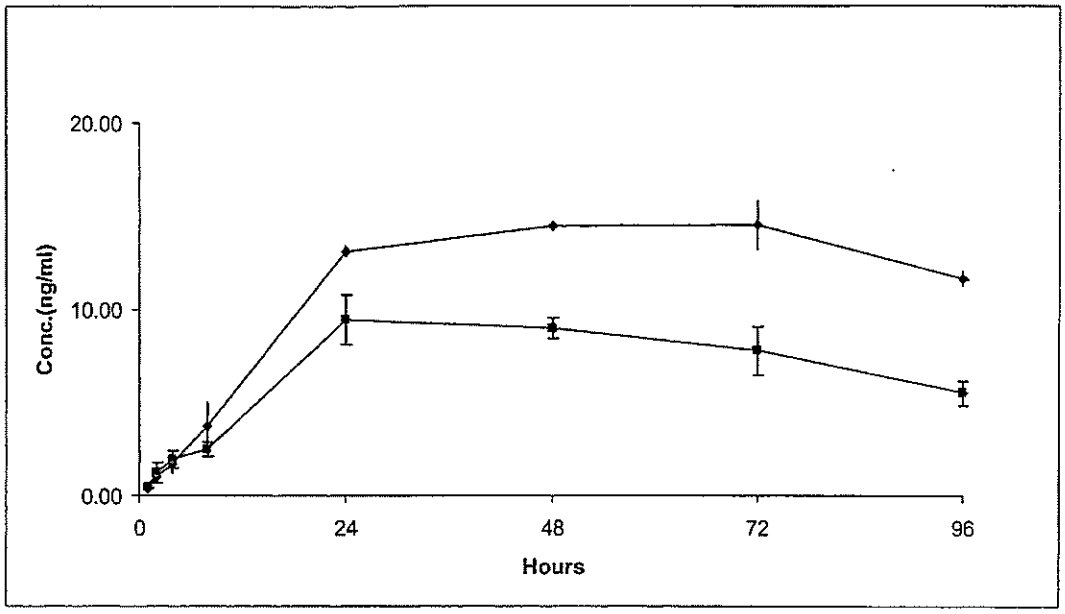

20.00
10.00
0.00
Conc.(ng/ml)
0
24
48
72
96
Hours

FIG. 15

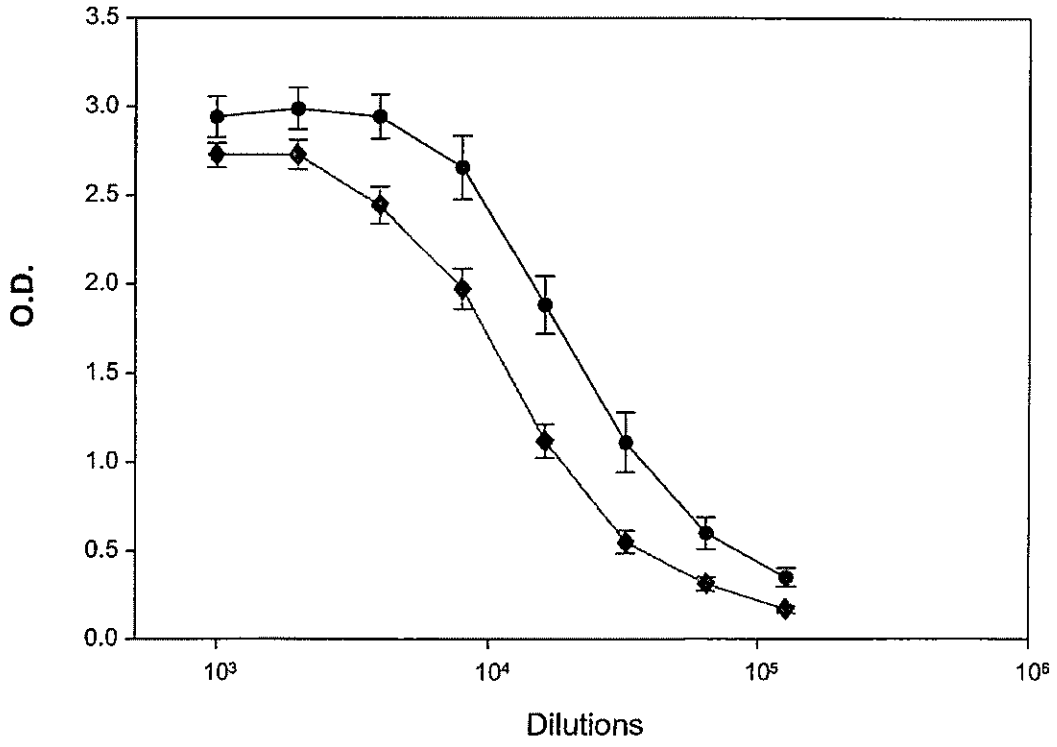

3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
O.D.
10³
10⁴
10⁵
10⁶
Dilutions

FIG. 16

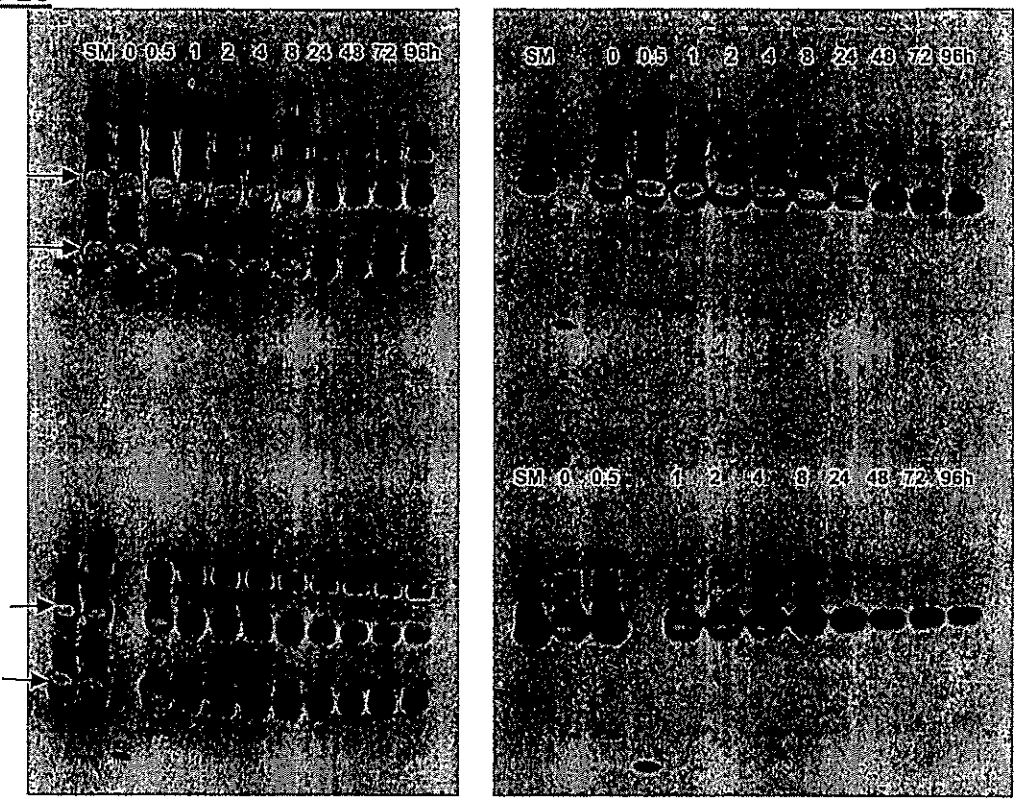
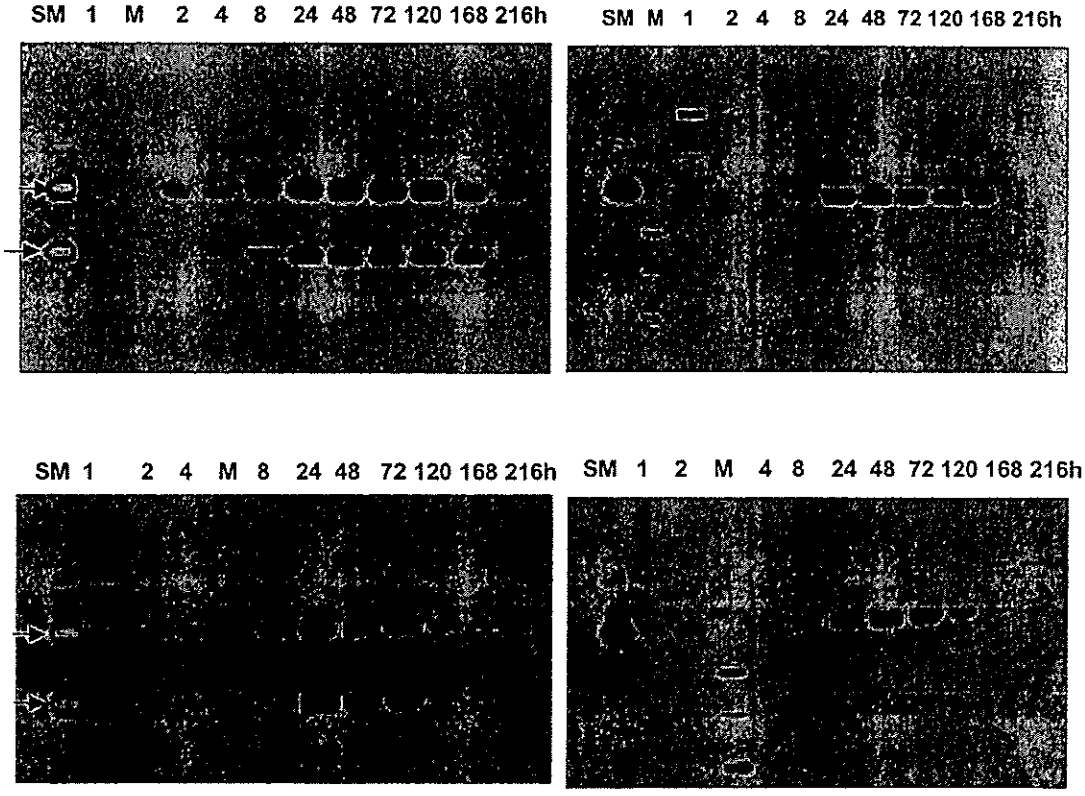

SM 0 0.5 1 2 4 8 24 48 72 96h
SM 0 0.5 1 2 4 8 24 48 72 96h
SM 0 0.5 1 2 4 8 24 48 72 96h

FIG. 17


SM 1 M 2 4 8 24 48 72 120 168 216h
SM M 1 2 4 8 24 48 72 120 168 216h
SM 1 2 4 M 8 24 48 72 120 168 216h
SM 1 2 M 4 8 24 48 72 120 168 216h