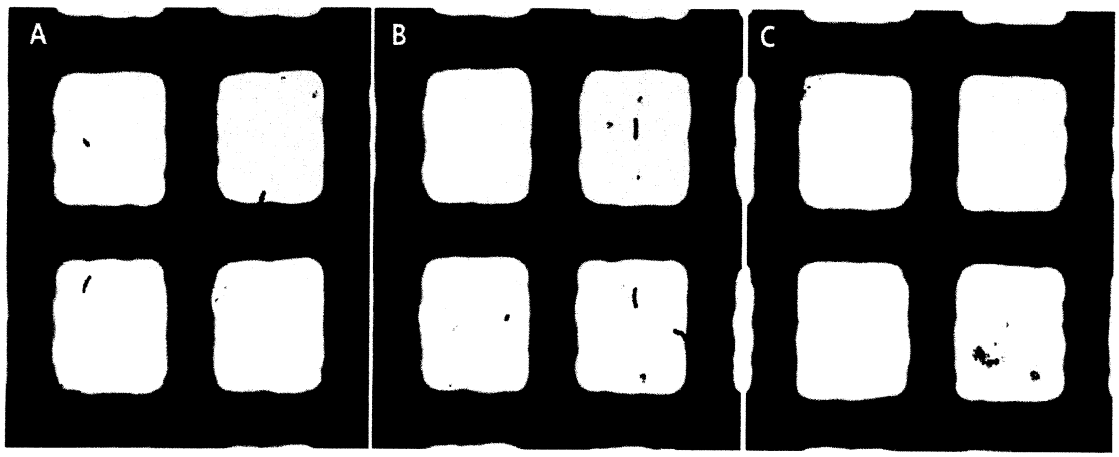
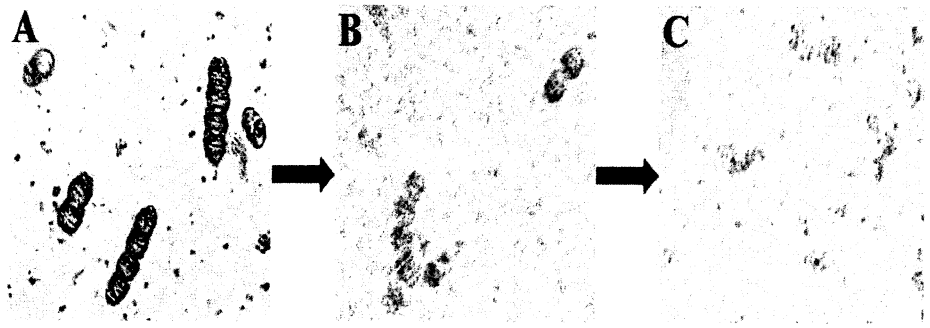
(a)



×100



×1,000

FIG. 1A

(b)

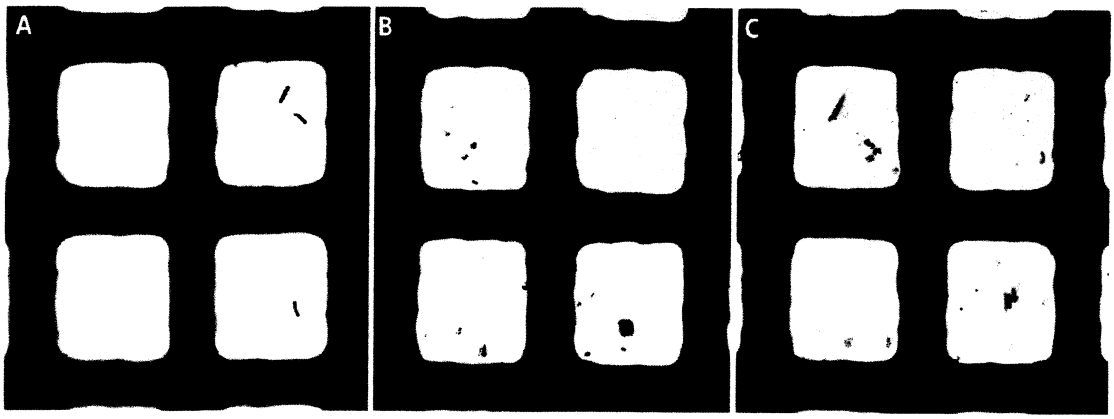


FIG. 1B

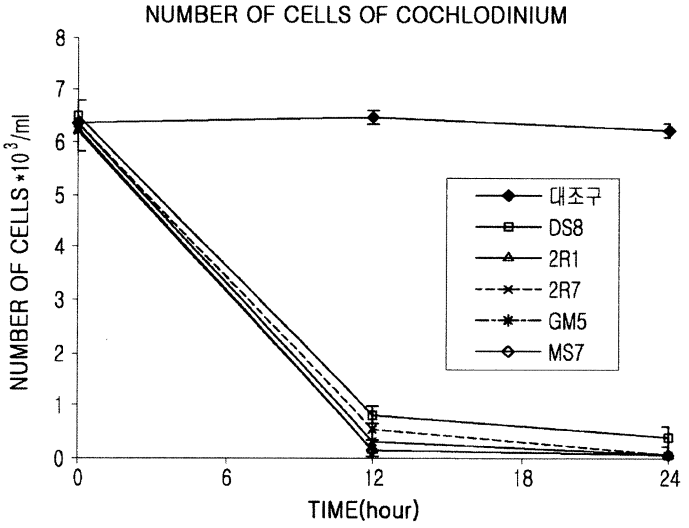

NUMBER OF CELLS OF COCHLODINIUM
NUMBER OF CELLS*10³/ml
TIME(hour)
대조구
DS8
2R1
2R7
GM5
MS7
0
1
2
3
4
5
6
7
8
0
6
12
18
24

FIG. 2

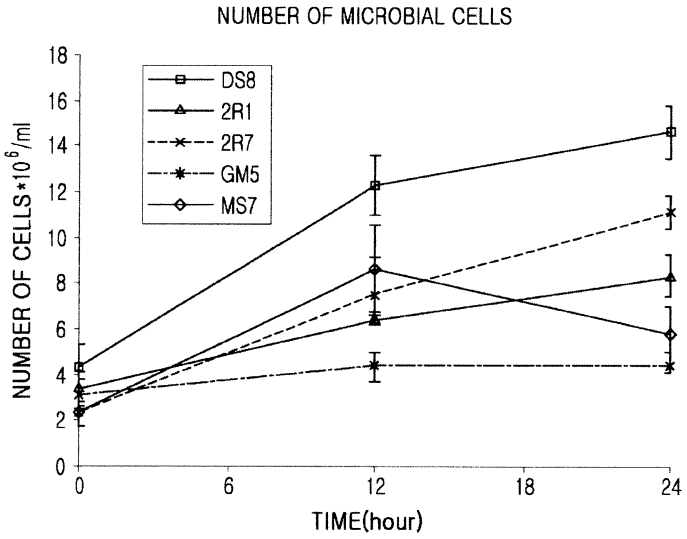

NUMBER OF MICROBIAL CELLS
NUMBER OF CELLS*10⁶/ml
TIME(hour)
DS8
2R1
2R7
GM5
MS7
0
2
4
6
8
10
12
14
16
18
0
6
12
18
24

FIG. 3

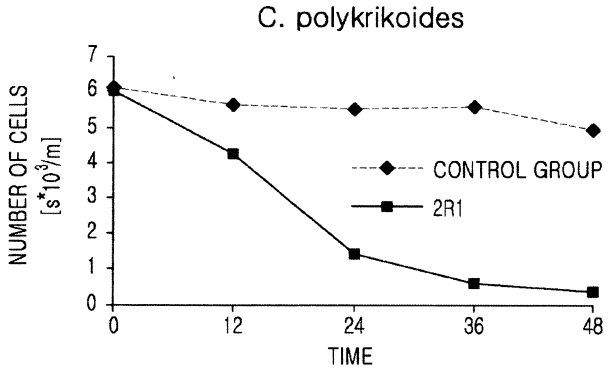

C. polykrikoides
NUMBER OF CELLS
[s*10³/m]
7
6
5
4
3
2
1
0
0
12
24
36
48
TIME
CONTROL GROUP
2R1

FIG. 4A

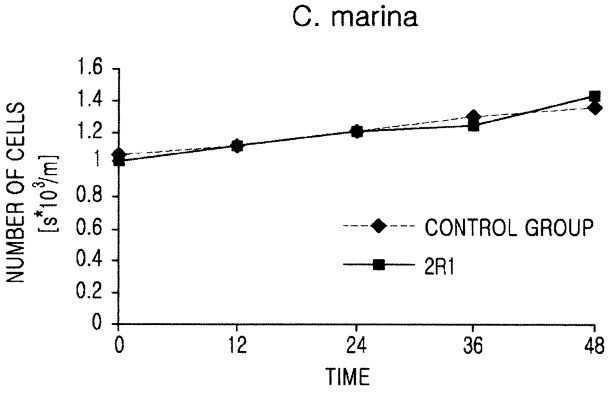

C. marina
NUMBER OF CELLS
[s*10³/m]
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
12
24
36
48
TIME
CONTROL GROUP
2R1

FIG. 4B

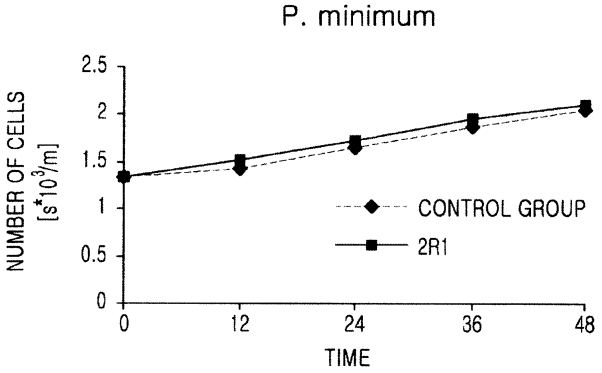

P. minimum
NUMBER OF CELLS
[s*10³/m]
2.5
2
1.5
1
0.5
0
0
12
24
36
48
TIME
CONTROL GROUP
2R1

FIG. 4C

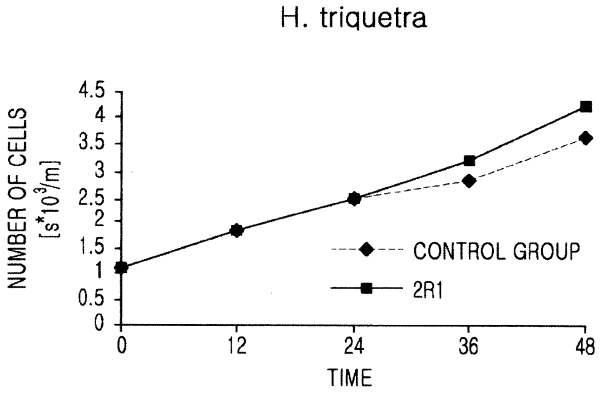

H. triquetra
NUMBER OF CELLS
[s*10³/m]
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
12
24
36
48
TIME
CONTROL GROUP
2R1

FIG. 4D

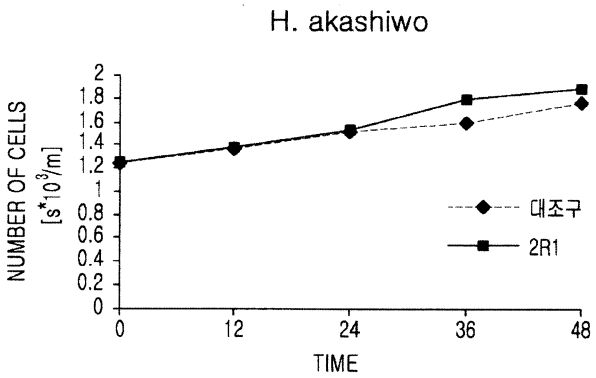

H. akashiwo
NUMBER OF CELLS
[s*10³/m]
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
12
24
36
48
TIME
대조구
2R1

FIG. 4E

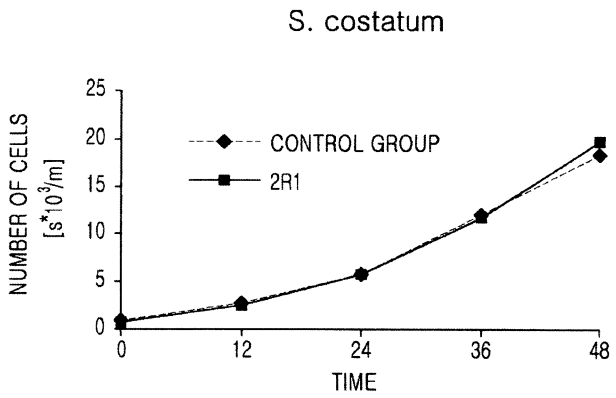

S. costatum
NUMBER OF CELLS
[s*10³/m]
25
20
15
10
5
0
0
12
24
36
48
TIME
CONTROL GROUP
2R1

FIG. 4F

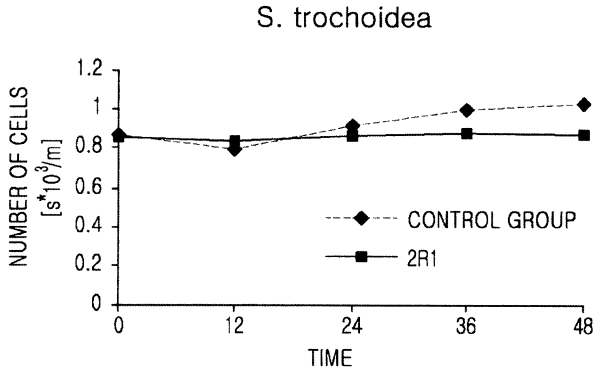

S. trochoidea
NUMBER OF CELLS
[s*10³/ml]
1.2
1
0.8
0.6
0.4
0.2
0
0
12
24
36
48
TIME
CONTROL GROUP
2R1

FIG. 4G

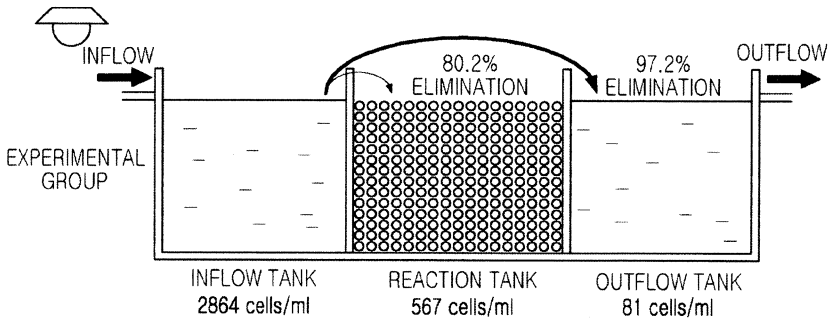

INFLOW
80.2%
ELIMINATION
97.2%
ELIMINATION
OUTFLOW
EXPERIMENTAL
GROUP
INFLOW TANK
2864 cells/ml
REACTION TANK
567 cells/ml
OUTFLOW TANK
81 cells/ml

FIG. 5



Fig. 6

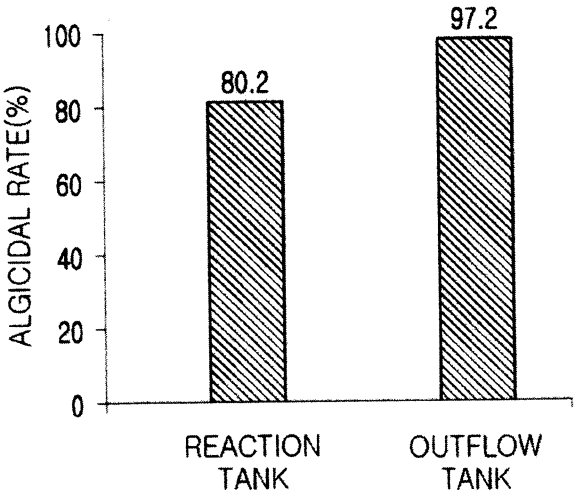

ALGICIDAL RATE(%)
100
80
60
40
20
0
80.2
97.2
REACTION TANK
OUTFLOW TANK

FIG. 7