FIG. 1

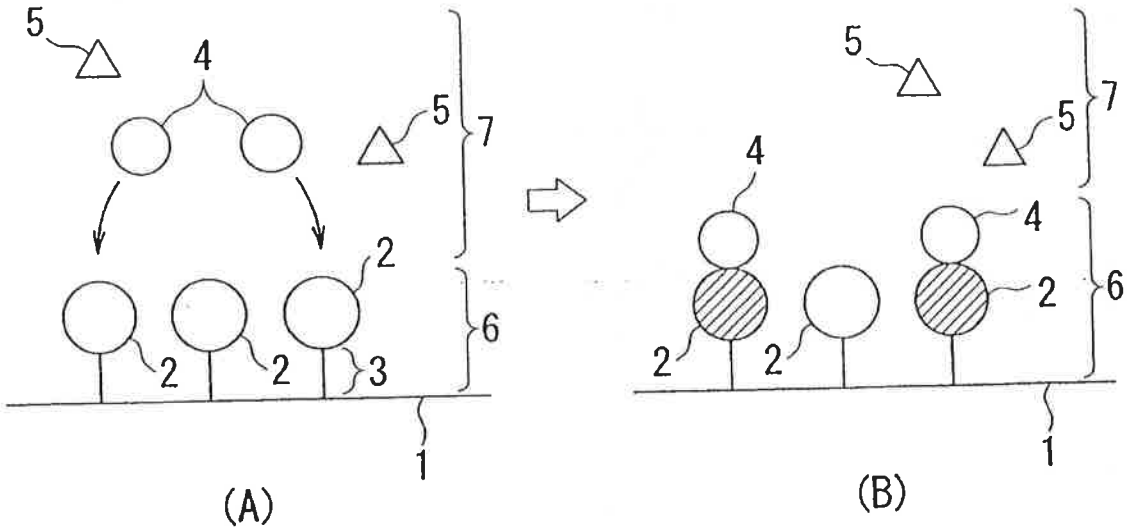


FIG. 2

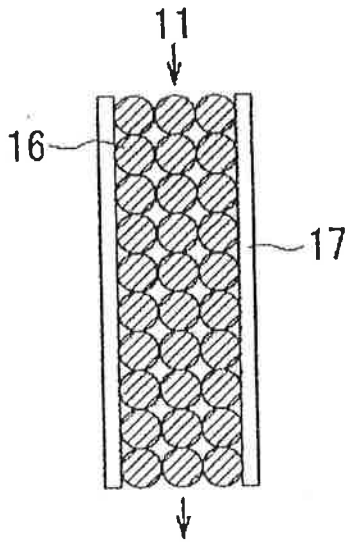


FIG. 3

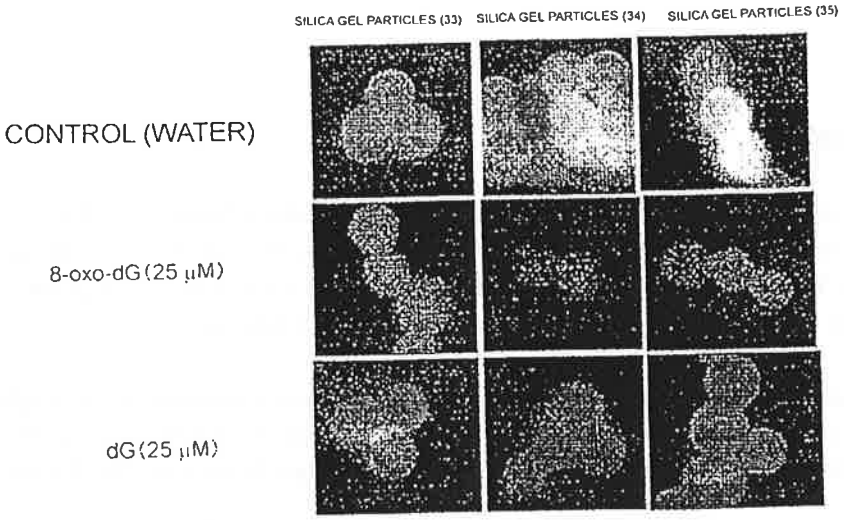

SILICA GEL PARTICLES (33)
SILICA GEL PARTICLES (34)
SILICA GEL PARTICLES (35)
CONTROL (WATER)
8-oxo-dG (25 μM)
dG (25 μM)

FIG. 4

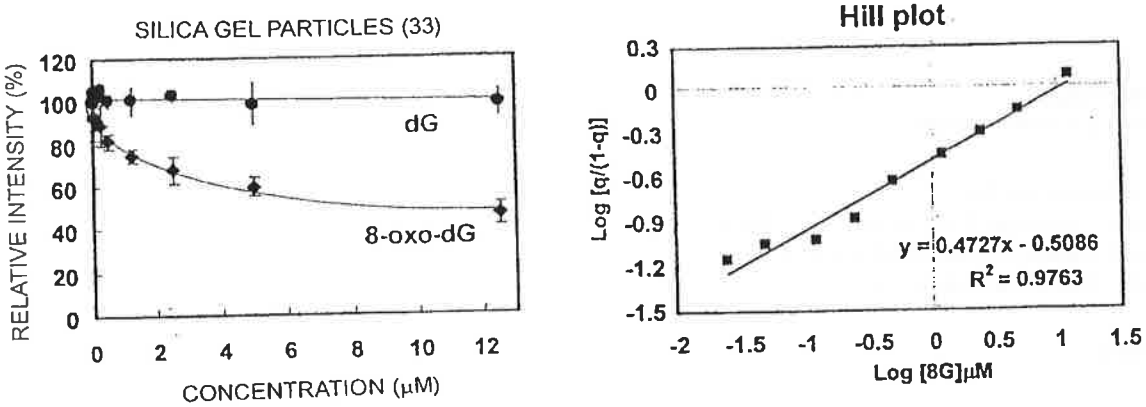

SILICA GEL PARTICLES (33)
RELATIVE INTENSITY (%)
120
100
80
60
40
20
0
dG
8-oxo-dG
0
2
4
6
8
10
12
CONCENTRATION (μM)
Hill plot
Log [q/(1-q)]
0.3
0
-0.3
-0.6
-0.9
-1.2
-1.5
y = 0.4727x - 0.5086
R² = 0.9763
-2
-1.5
-1
-0.5
0
0.5
1
1.5
Log [8G]μM

FIG. 5

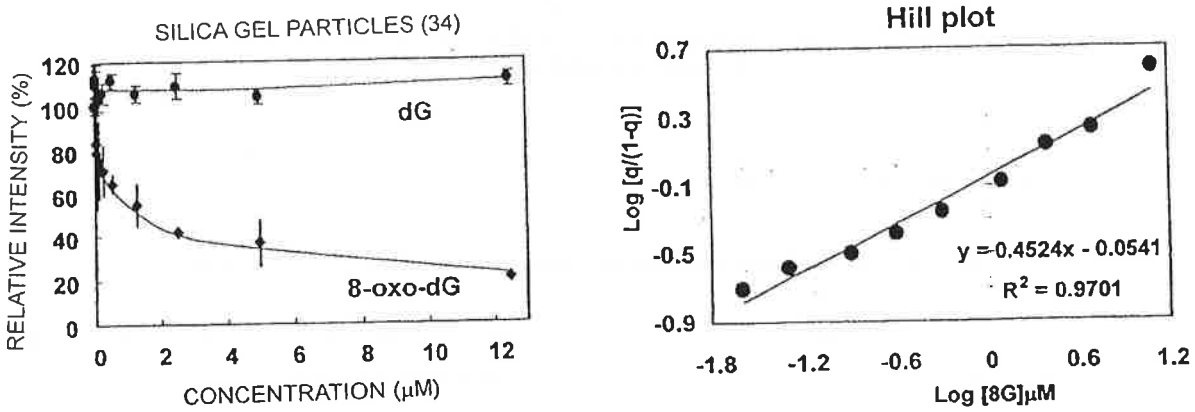

SILICA GEL PARTICLES (34)
RELATIVE INTENSITY (%)
120
100
80
60
40
20
0
dG
8-oxo-dG
0
2
4
6
8
10
12
CONCENTRATION (μM)
Hill plot
Log [q/(1-q)]
0.7
0.3
-0.1
-0.5
-0.9
y = -0.4524x - 0.0541
R² = 0.9701
-1.8
-1.2
-0.6
0
0.6
1.2
Log [8G]μM

FIG. 6

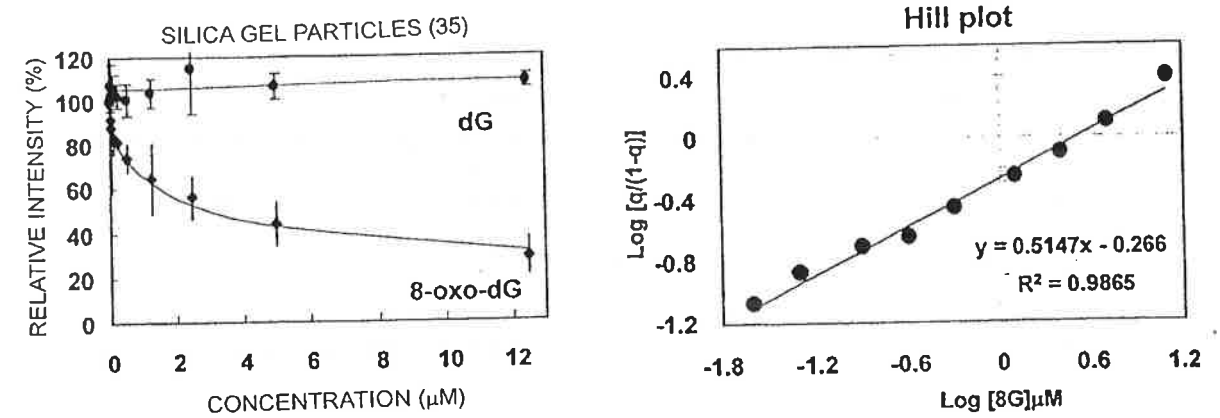
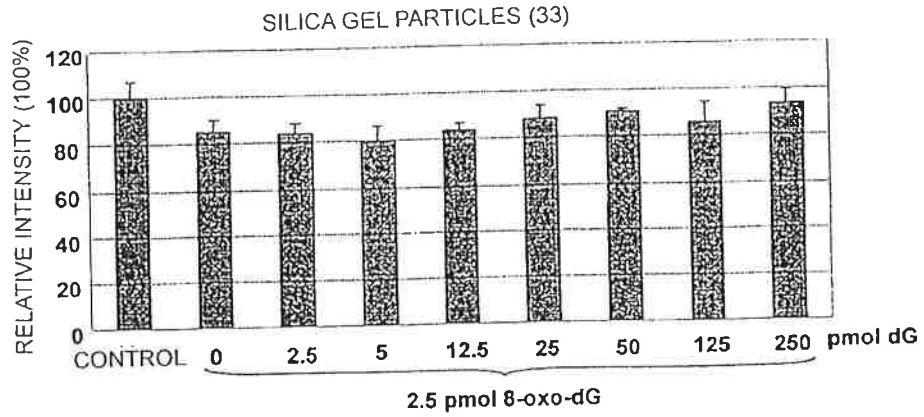
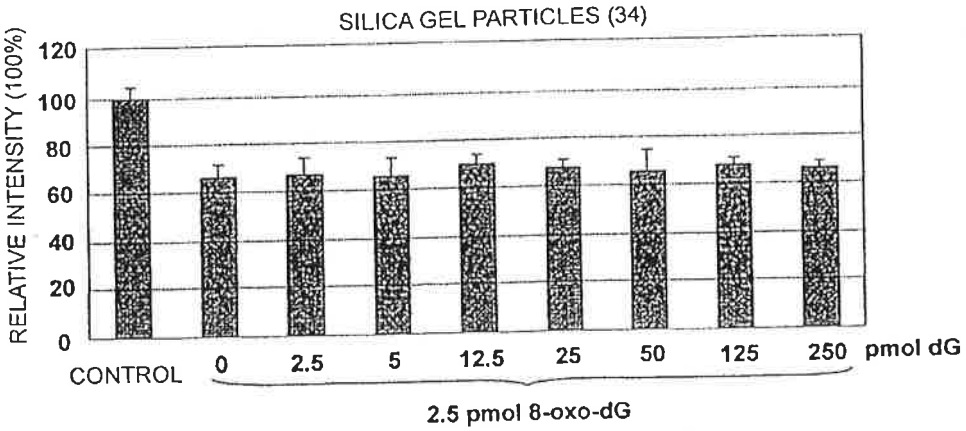

SILICA GEL PARTICLES (35)
RELATIVE INTENSITY (%)
120
100
80
60
40
20
0
dG
8-oxo-dG
0
2
4
6
8
10
12
CONCENTRATION (μM)
Hill plot
Log [q/(1-q)]
0.4
0
-0.4
-0.8
-1.2
y = 0.5147x - 0.266
R² = 0.9865
-1.8
-1.2
-0.6
0
0.6
1.2
Log [8G]μM

FIG. 7


SILICA GEL PARTICLES (33)
RELATIVE INTENSITY (100%)
120
100
80
60
40
20
0
CONTROL
0
2.5
5
12.5
25
50
125
250
pmol dG
2.5 pmol 8-oxo-dG


SILICA GEL PARTICLES (34)
RELATIVE INTENSITY (100%)
120
100
80
60
40
20
0
CONTROL
0
2.5
5
12.5
25
50
125
250
pmol dG
2.5 pmol 8-oxo-dG

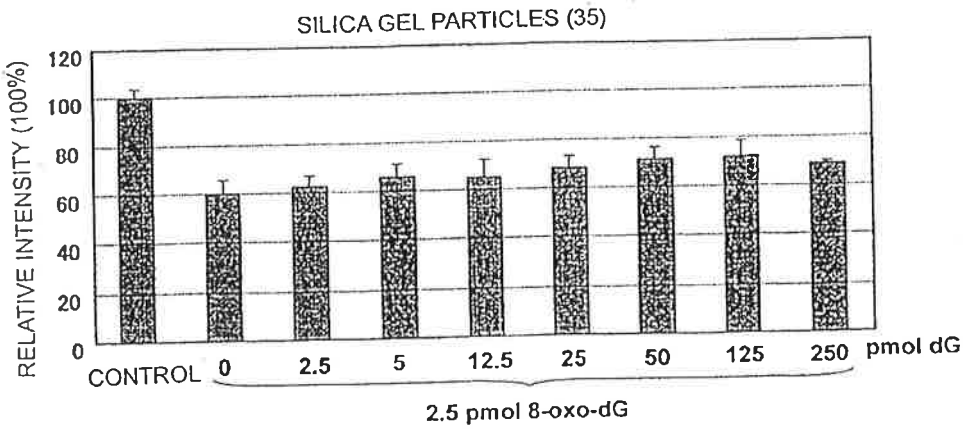

SILICA GEL PARTICLES (35)
RELATIVE INTENSITY (100%)
120
100
80
60
40
20
0
CONTROL
0
2.5
5
12.5
25
50
125
250
pmol dG
2.5 pmol 8-oxo-dG

FIG. 8

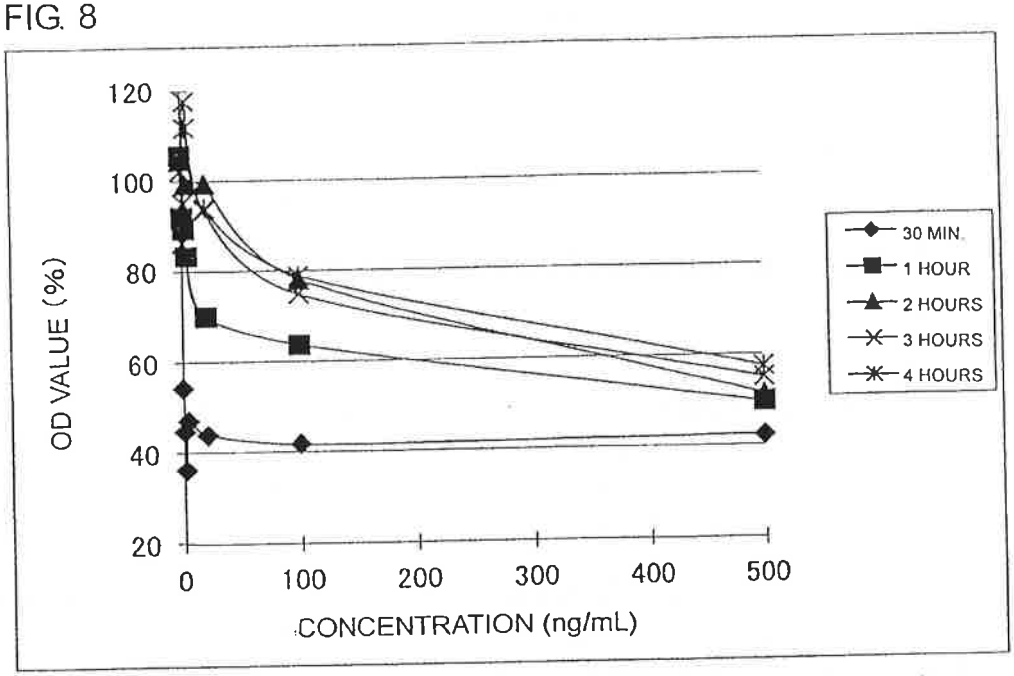

120
100
80
60
40
20
OD VALUE (%)
0
100
200
300
400
500
CONCENTRATION (ng/mL)
30 MIN.
1 HOUR
2 HOURS
3 HOURS
4 HOURS

FIG. 9

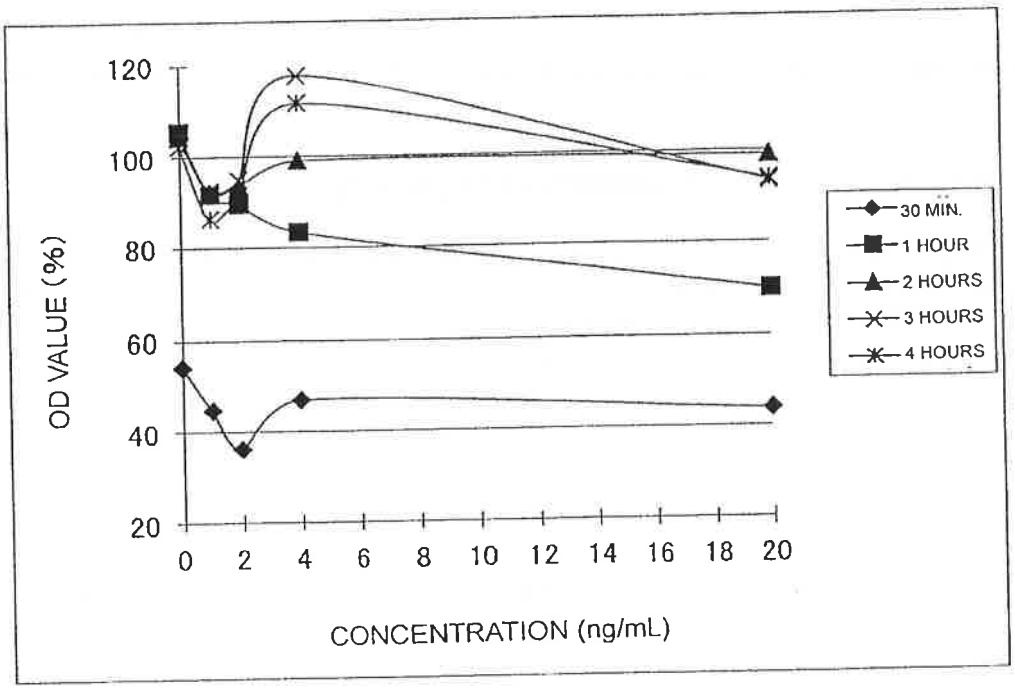

120
100
80
60
40
20
OD VALUE (%)
0
2
4
6
8
10
12
14
16
18
20
CONCENTRATION (ng/mL)
30 MIN.
1 HOUR
2 HOURS
3 HOURS
4 HOURS

FIG. 10

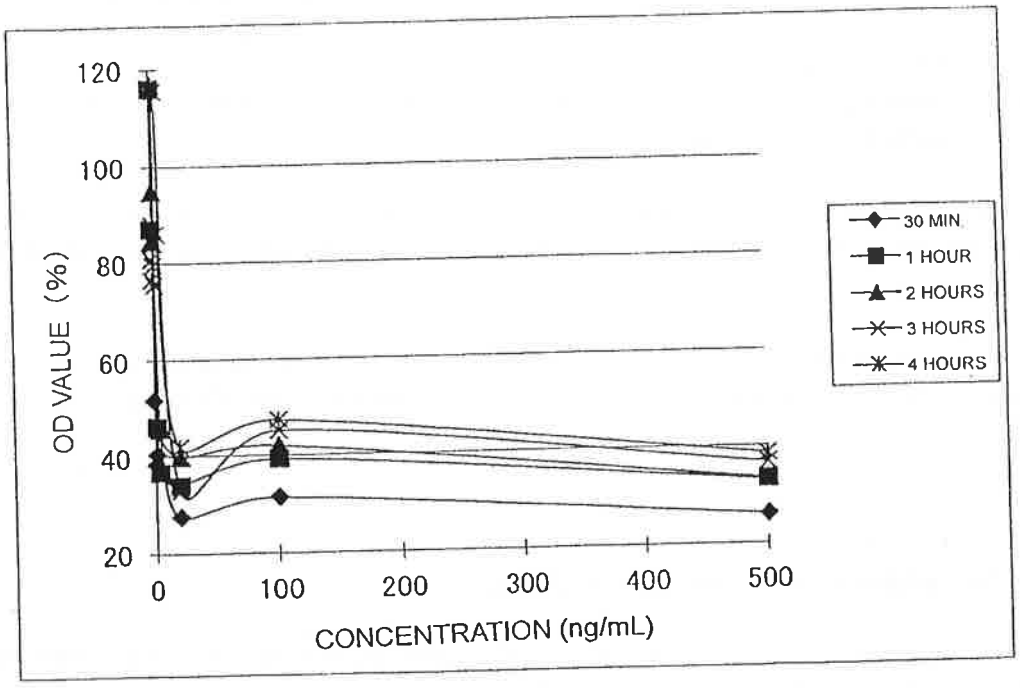
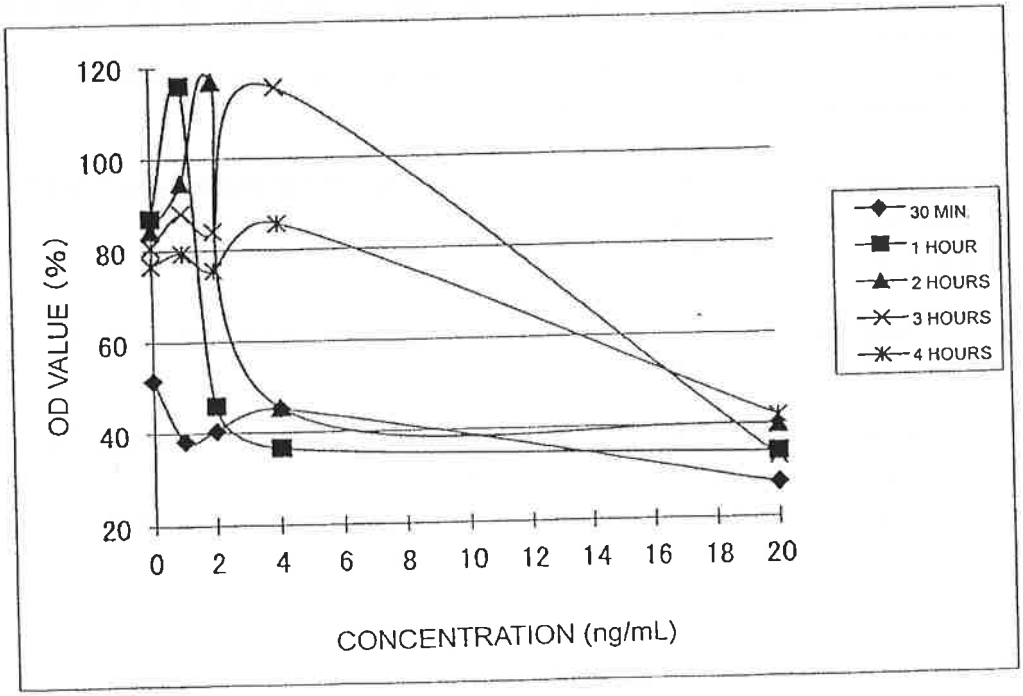

120
100
80
60
40
20
OD VALUE (%)
0
100
200
300
400
500
CONCENTRATION (ng/mL)
30 MIN.
1 HOUR
2 HOURS
3 HOURS
4 HOURS

FIG. 11


120
100
80
60
40
20
OD VALUE (%)
0
2
4
6
8
10
12
14
16
18
20
CONCENTRATION (ng/mL)
30 MIN.
1 HOUR
2 HOURS
3 HOURS
4 HOURS