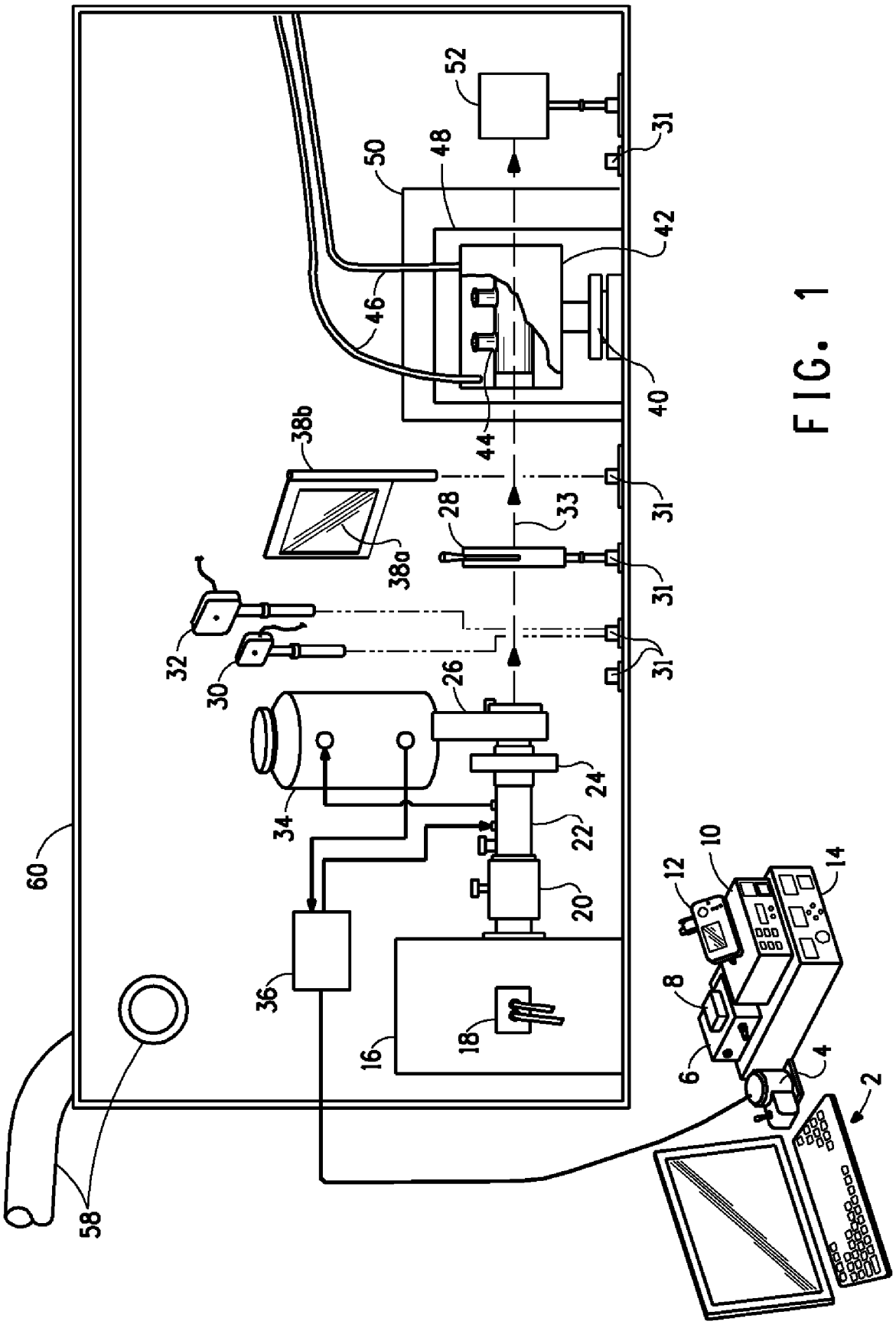

52
31
50
48
42
46
40
44
38b
28
33
38a
32
30
26
24
34
22
20
60
36
16
18
12
10
14
8
6
4
2
58

FIG. 1

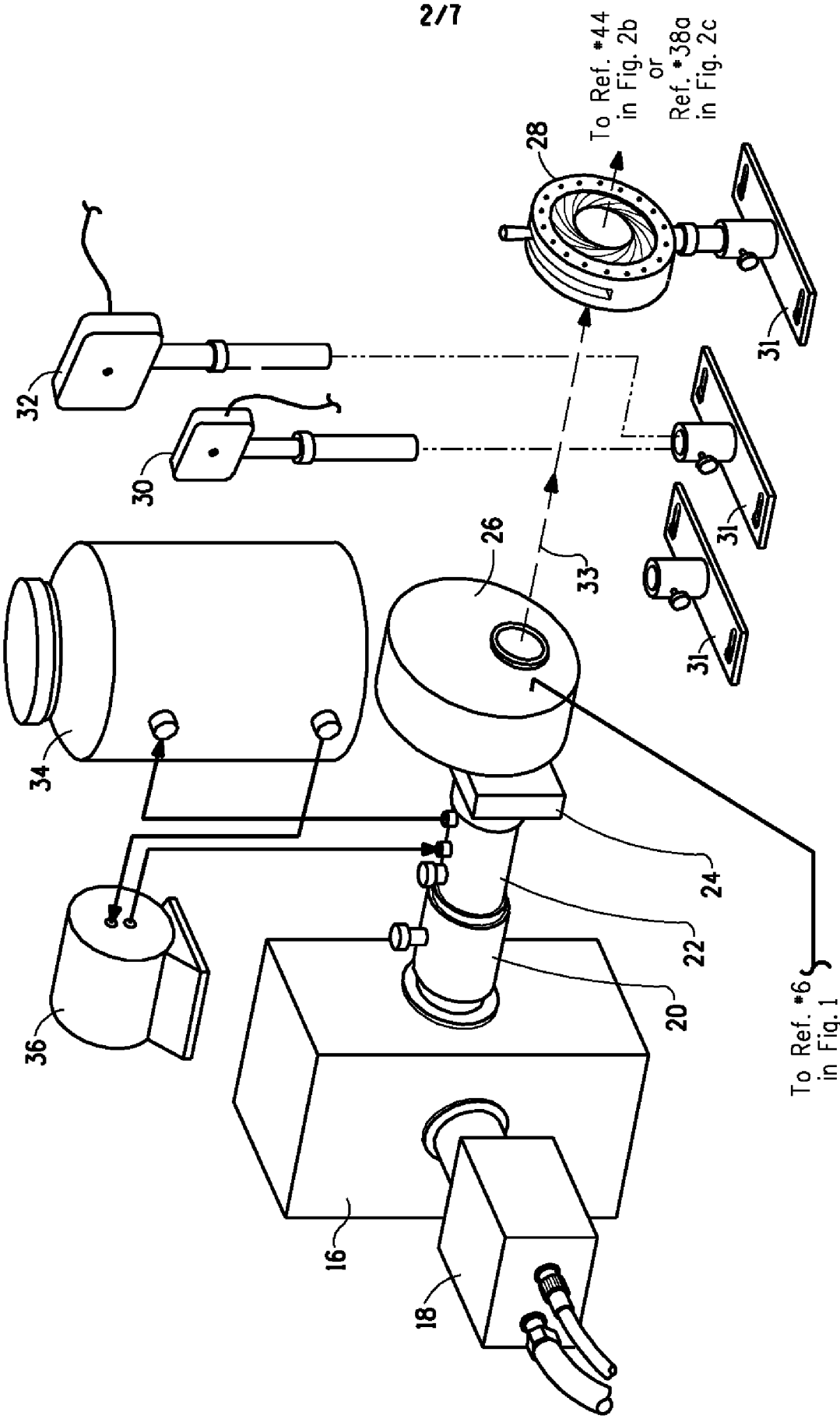

To Ref. #44 in Fig. 2b or Ref. #38a in Fig. 2c
28
31
32
30
31
31
26
33
7
34
24
22
20
36
To Ref. #6 in Fig. 1
16
18

FIG. 2a

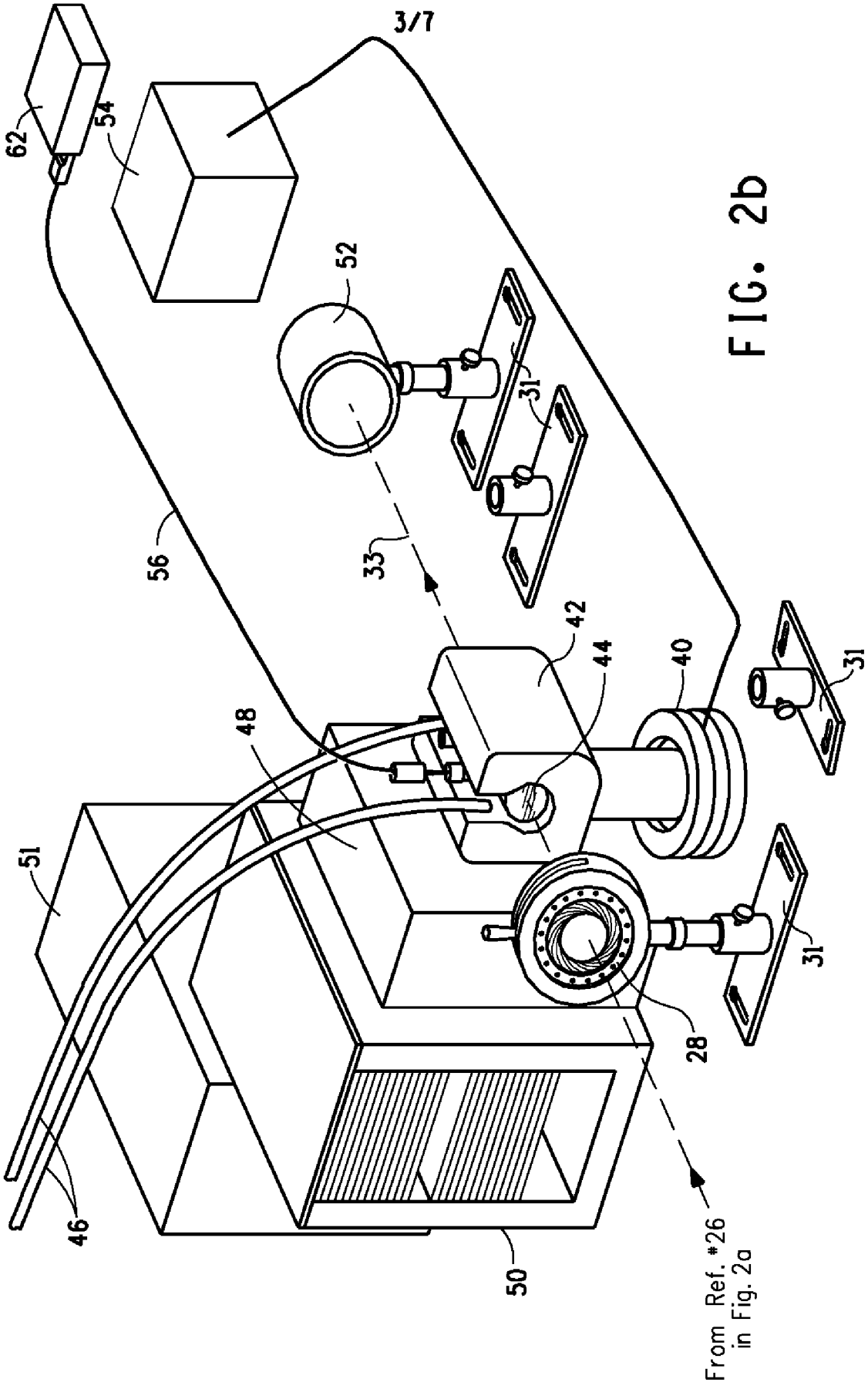


FIG. 2b

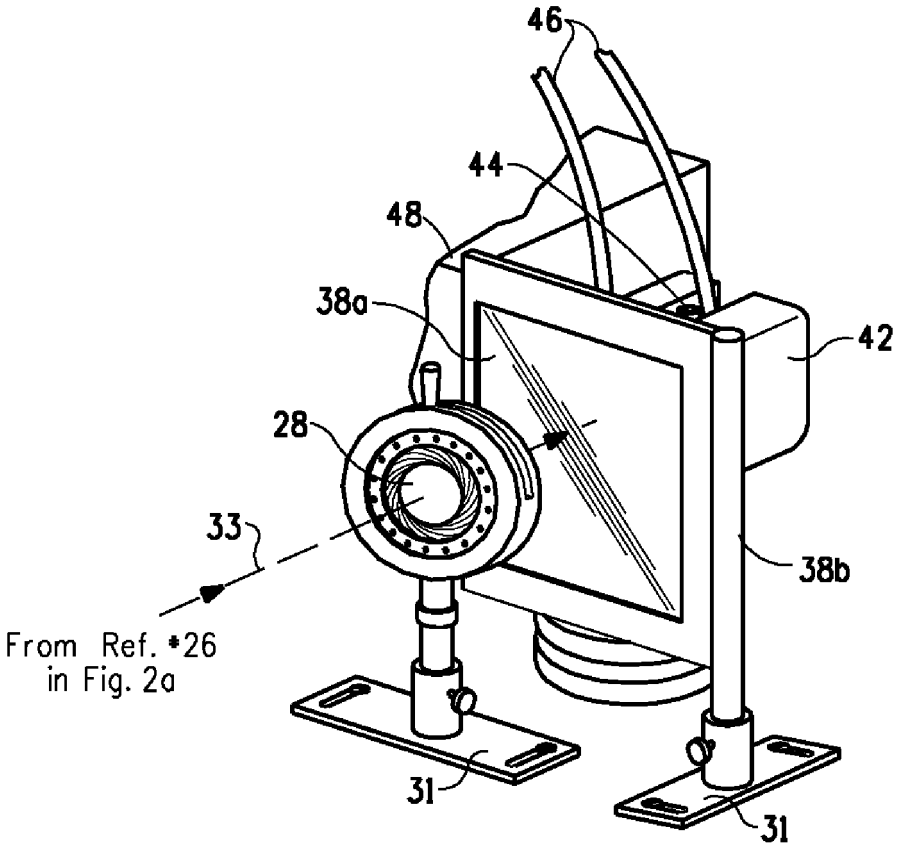


FIG. 2c

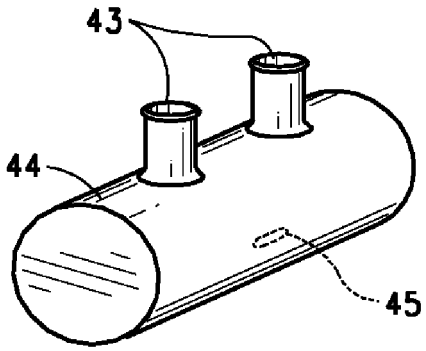


FIG. 3

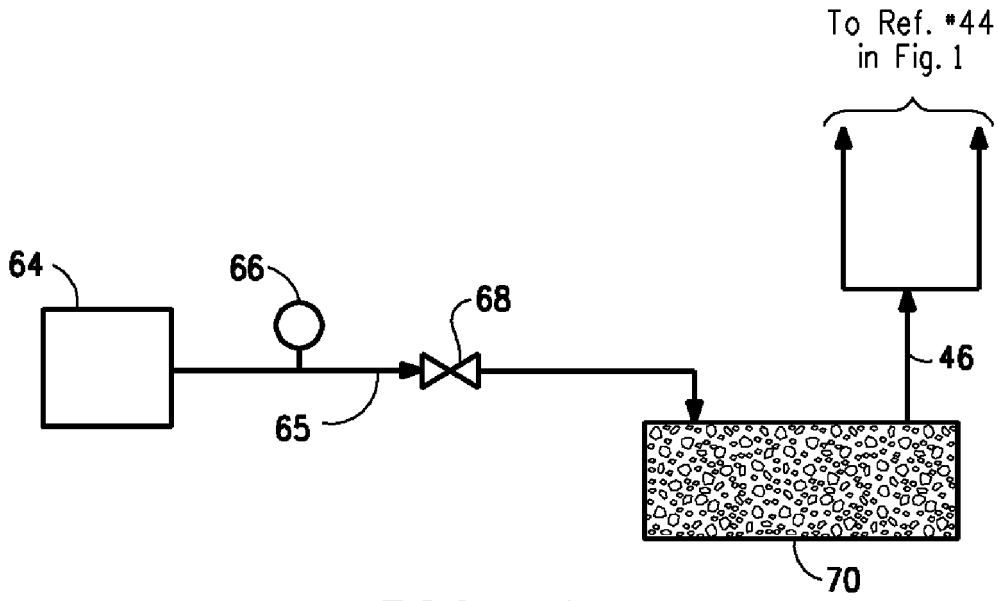


FIG. 4

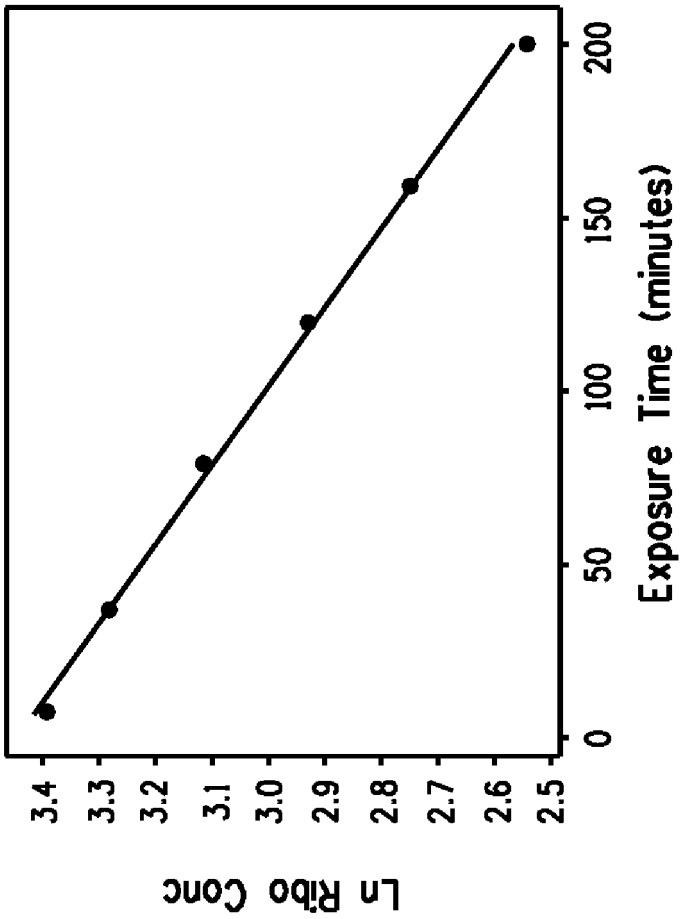

Ln Ribo Conc
3.4
3.3
3.2
3.1
3.0
2.9
2.8
2.7
2.6
2.5
0
50
100
150
200
Exposure Time (minutes)

FIG. 5

Mean Pseudo-
First order Rate Constant (min-1)
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0
10
20
30
40
50
60
70
80
90
100
Mean TAPPI Opacity (%)

FIG. 6