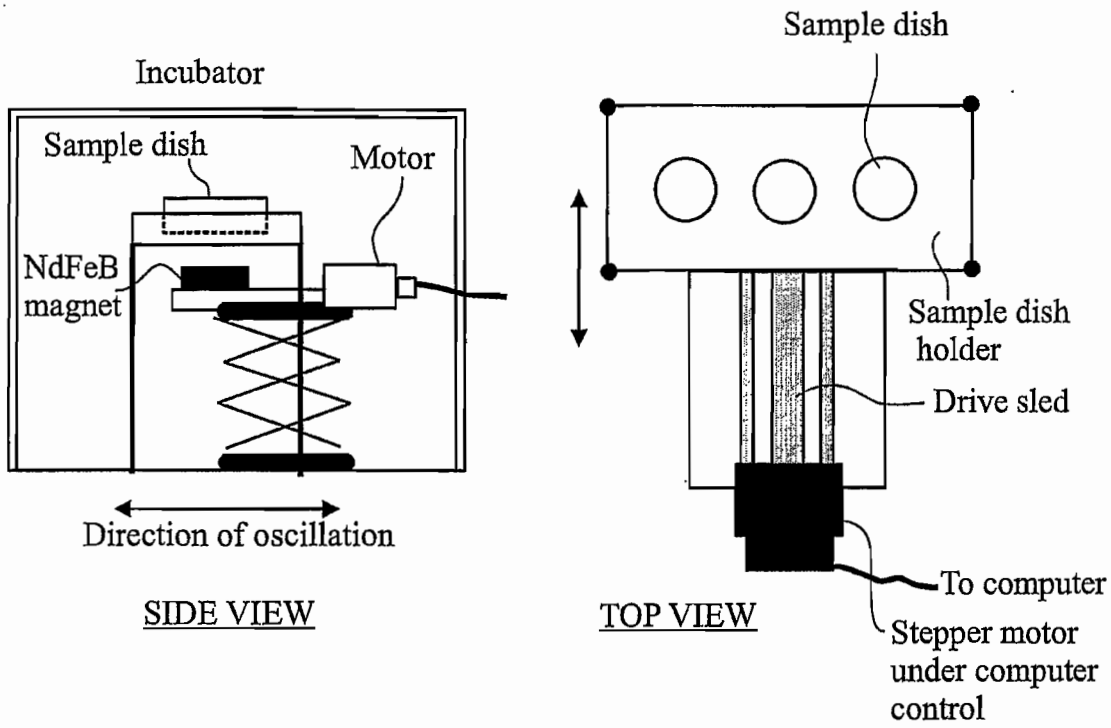
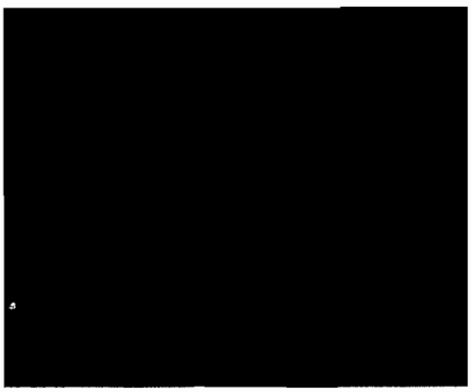
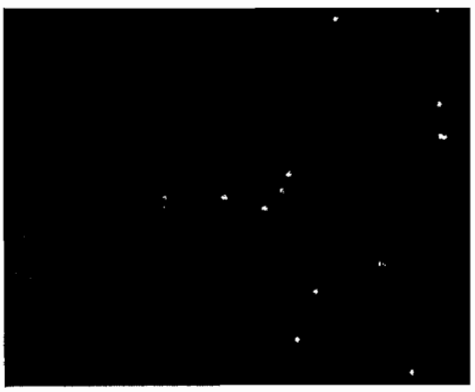

Incubator
Sample dish
Motor
NdFeB magnet
Direction of oscillation
SIDE VIEW
Sample dish
Sample dish holder
Drive sled
To computer
Stepper motor under computer control
TOP VIEW

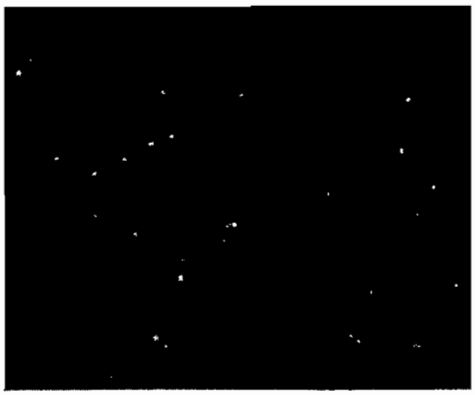
Fig. 1



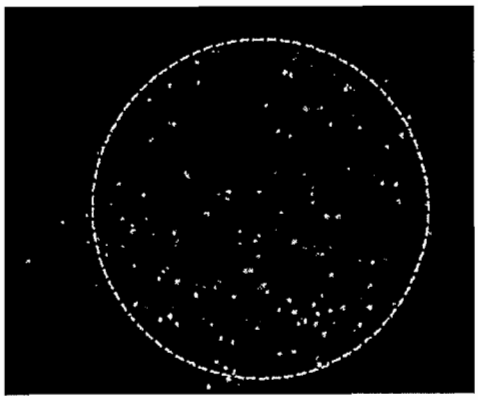
A Supernatant



B No magnet



C Static magnet



D Moving magnet

Fig. 2

Luciferase activity in HEK293 T cells transfected with 150nm magnetic nanoparticles coated with pCIKLux luciferase reporter

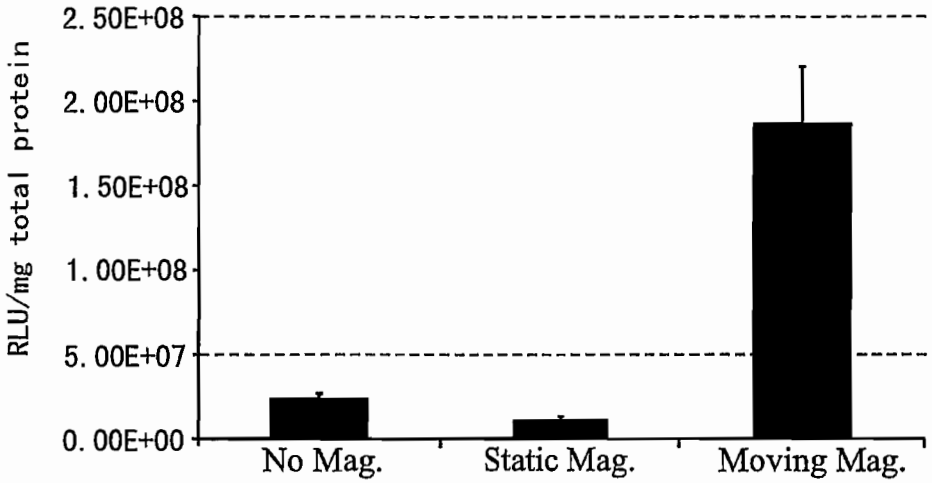


Fig. 3

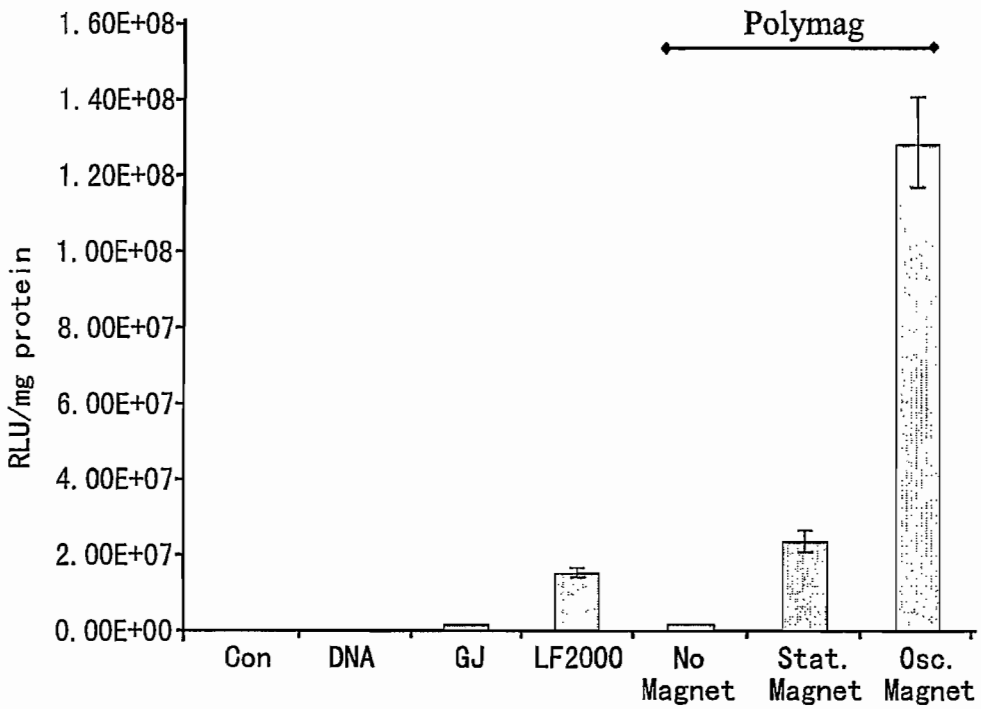

Polymag
1.60E+08
1.40E+08
1.20E+08
1.00E+08
8.00E+07
6.00E+07
4.00E+07
2.00E+07
0.00E+00
RLU/mg protein
Con
DNA
GJ
LF2000
No Magnet
Stat. Magnet
Osc. Magnet

Fig. 4