

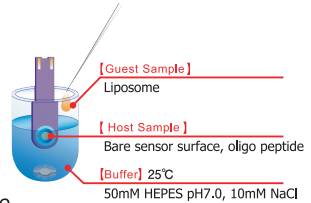
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Source: Chemistry Letters,37,6 588-589(2008),Y Kasuya  
Data provided by Dr. Matsumura and Mr. Kasuya of the  
Engineering Department of Shibaura Institute of Technology

## Adsorption of Liposome to Peptide

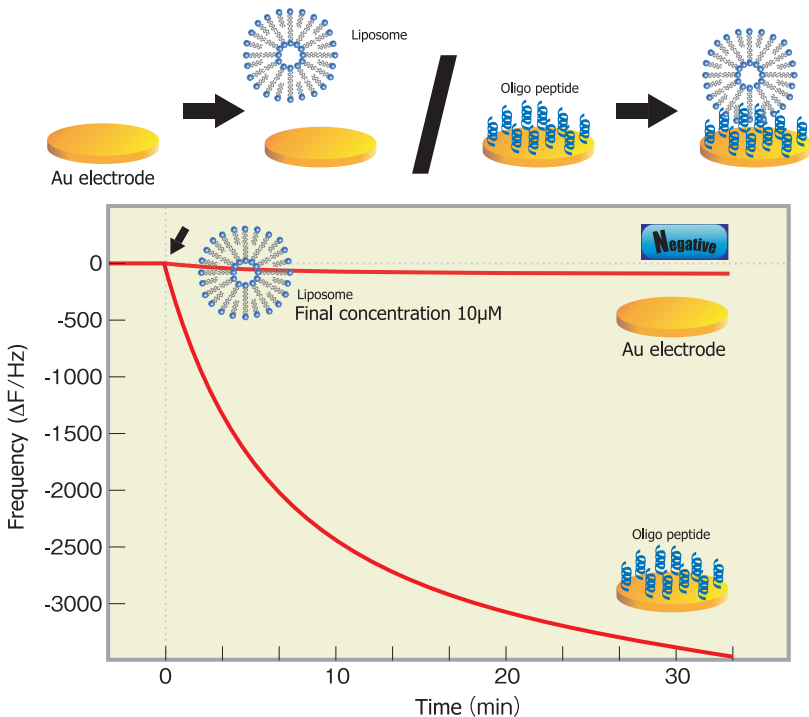
### Materials

1. Liposome PC/PS/Chol (diameter: 100nm)
  - ※ PC: Phosphatidylcholine
  - ※ PS: Phosphatidylserine
  - ※ Chol: Cholesterol
2. Oligo peptide



### Results

1. Liposome weakly bound to bare sensor surface
2. Liposome was easily bound to oligo peptide-modified sensor surface



### Application

1. Binding evaluation of large macromolecules like liposome
2. Affinity evaluation of cell membrane and surface of biomaterial
3. Evaluation of adsorption and interaction between immobilized liposomes and other molecules