

Application Note

B-05

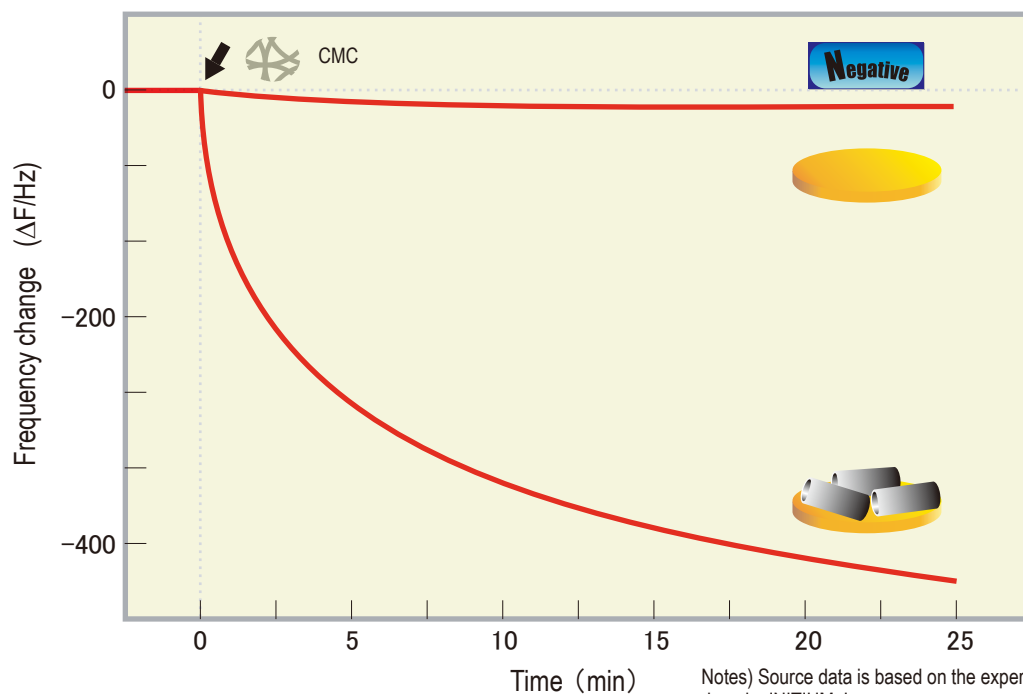
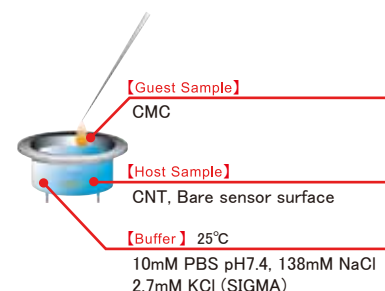
Binding between Carbon nanotube and Dispersing agent

Materials

1. Carbon nanotube (CNT)
2. Dispersing agent: Carboxymethylcellulose (CMC)

Results

1. CMC binding onto CNT immobilized sensor was observed.
2. CMC didn't bind to bare sensor surface.



Applications

1. Evaluation and selection of dispersing agents and research in dispersion and aggregation of carbon nanotubes.
2. Application for inorganic materials such as Platinum, Silver, Palladium, catalytic activity and etc.
3. Evaluation of organic nanotube (E.g.) Capture of harmful protein and virus, carrier for DDS.