

A-16

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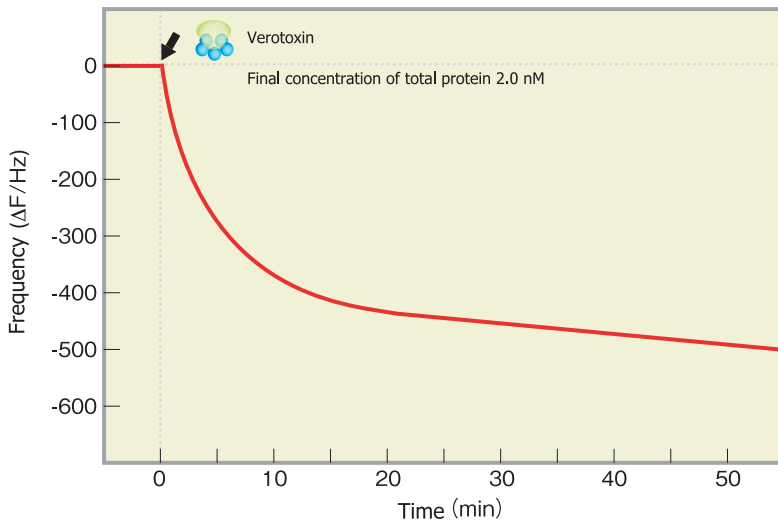
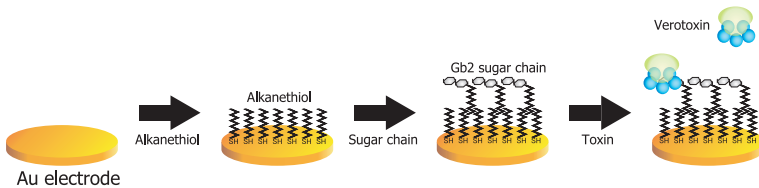
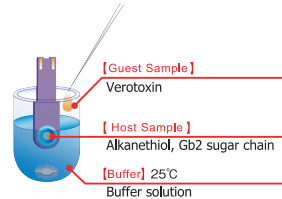
Detection of Verotoxin

Materials

1. Gb2 sugar chain (synthetic)
2. Alkanethiol
3. LB thin film deposition machine
4. Roughly extracted verotoxin solution
※ 2.6% verotoxin included

Results

1. Verotoxin was specifically detected in a crude sample



Application

1. Specific detection of targeted protein from crude sample
2. Detection of E. coli O157 as crude sample from infected patients
3. Rapid and accurate detection of food poisoning for diagnosis and treatment