

# Application Note

## A-08

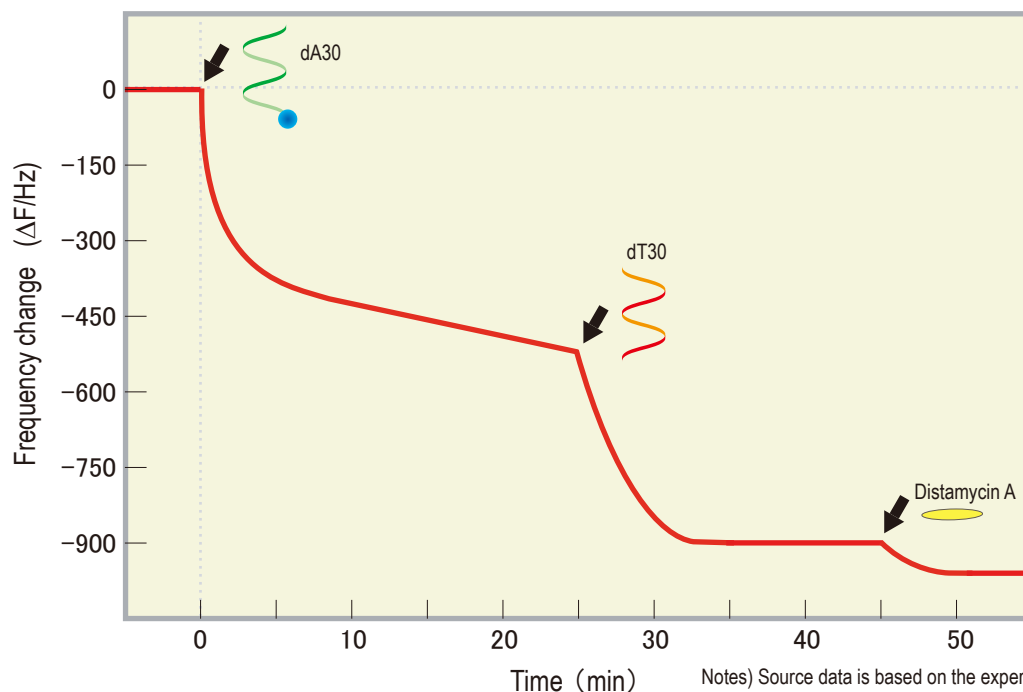
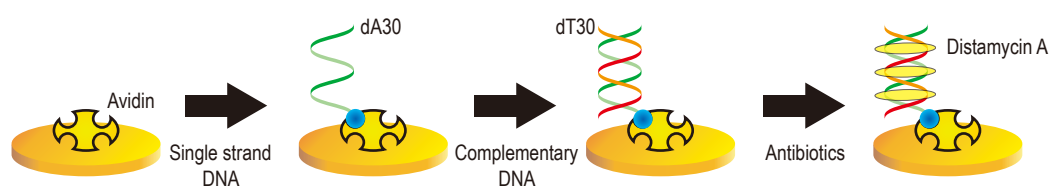
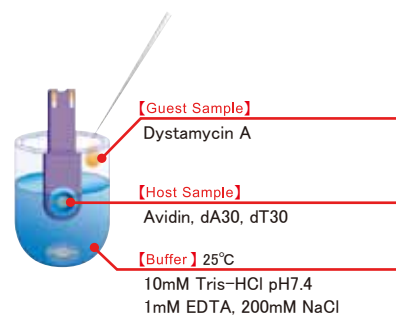
### Binding of Antibiotics to DNA

#### Materials

1. Avidin
2. Biotinylated single strand DNA (dA 30mer)
3. Complementary DNA (dT 30mer)
4. Distamycin A (100  $\mu$ M)

#### Results

1. Biotinylated DNA bound onto Avidin.
2. Hybridization of complementary DNA was observed.
3. Distamycin A bound onto dAdT DNA.



Notes) Source data is based on the experiments done by INITIUM, Inc.

#### Applications

1. Hybridization of DNA.
2. Interaction analysis between DNA and small molecules.
3. Screening of small molecules that bind to DNA specifically such as drug and metal complexes.

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