

# Application Note

## A-09

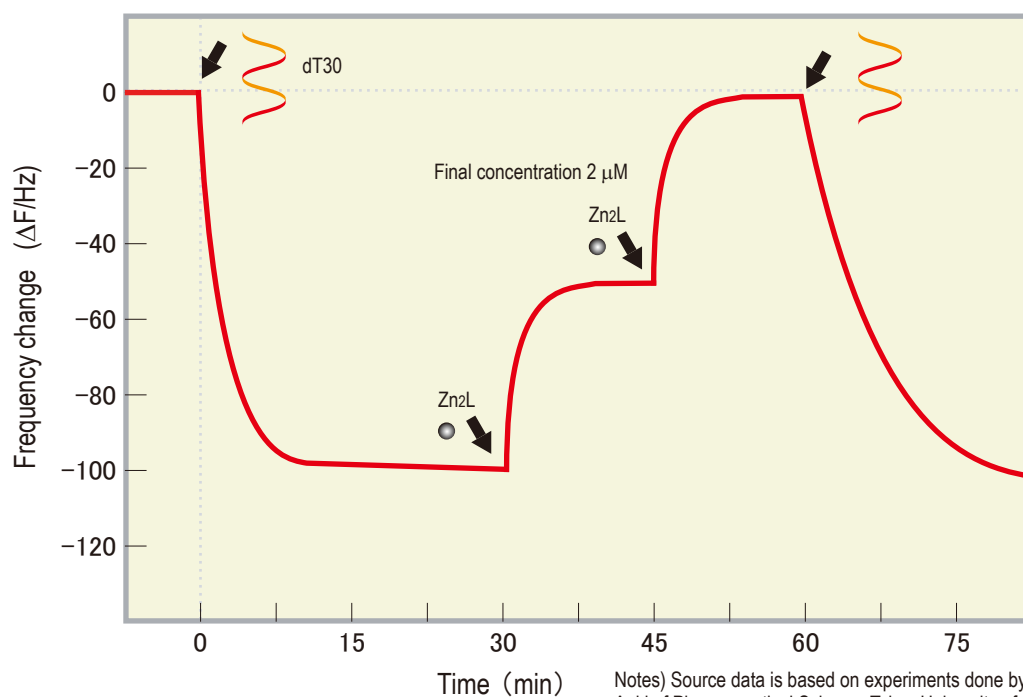
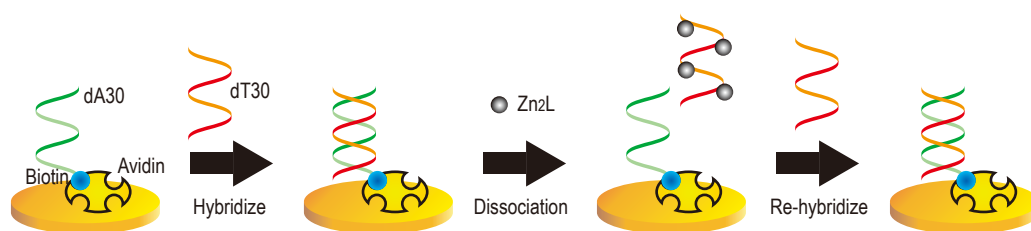
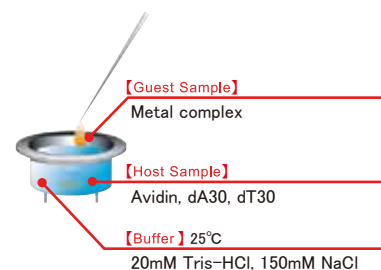
### Metal complex inhibits DNA Hybridization

#### Materials

1. Avidin
2. Biotinylated single DNA (dA 30mer)
3. Complementary DNA (dT 30mer)
4. Metal complex (Zn<sub>2</sub>L)

#### Results

1. Metal complex unwound double strand DNA.
2. dAdT caused re-hybridization of DNA.



#### Applications

1. Evaluation of small molecules and drugs that bind to DNA.
2. Investigation of hybridization and dissociation of double strand DNA by real-time reaction monitoring.
3. Assay of toxins that bind to DNA.