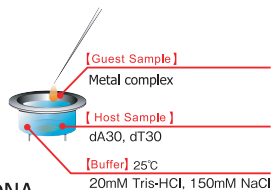


DNA-Hybridization-Inhibiting Metal Complex

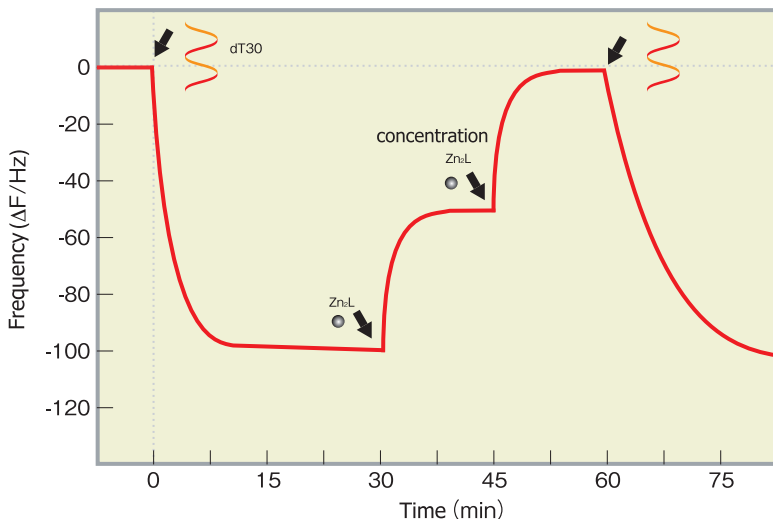
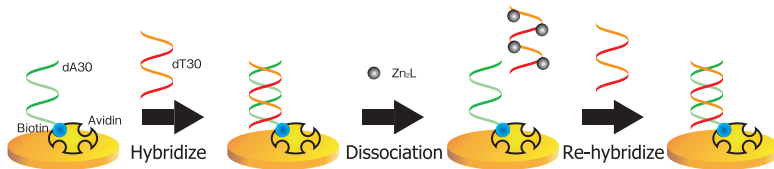
Materials

1. ADVIN
2. Biotinylated single DNA (dA 30base)
3. Complementary DNA (dT 30base)
4. Metal complex (Zn₂L)



Results

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



Application

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