

Application Note

A-07

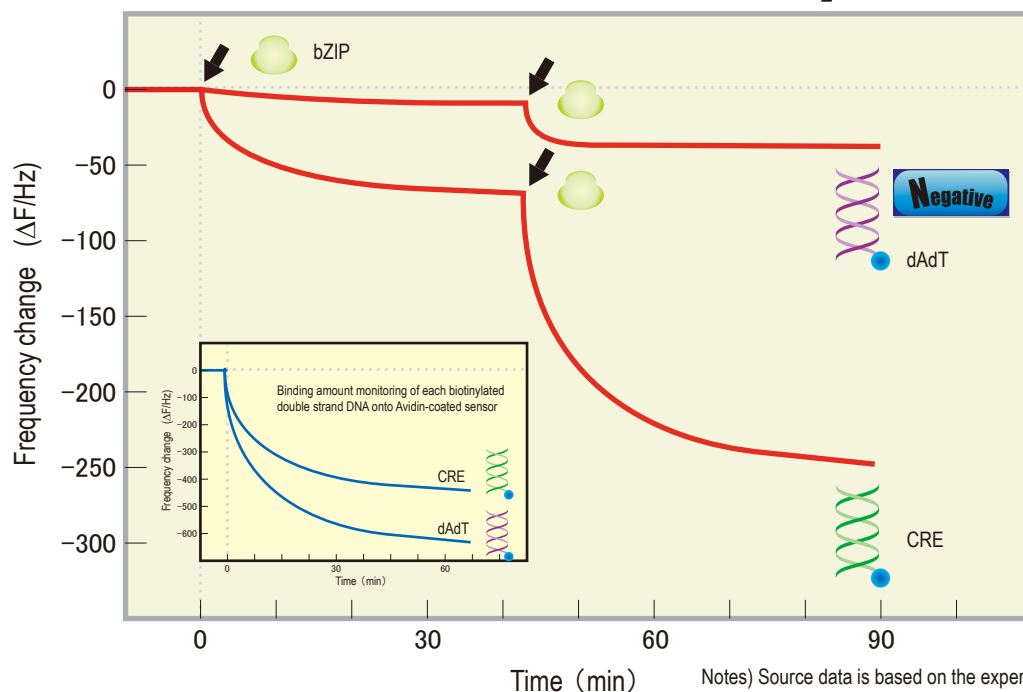
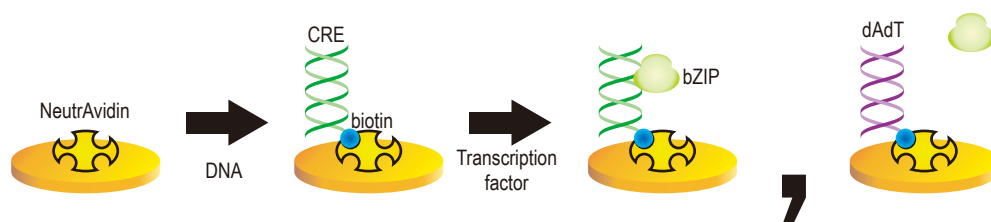
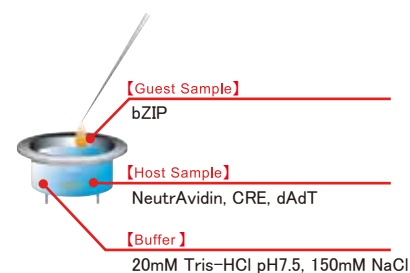
Binding of Transcription Factor to DNA

Materials

1. NeutrAvidin (PIERCE No.31000)
2. Biotinylated double strand DNA (CRE) 21bp
3. Biotinylated double strand DNA (dAdT) 30bp
4. Transcription factor (bZIP)

Results

1. Transcription factor bZIP recognized CRE sequence.
2. Transcription factor hardly bound to dAdT sequence.



Applications

1. Interaction analysis of protein (transcription factor) that recognizes specific DNA sequence.
2. Quantitative calculation of bound protein per molecule of DNA.
3. Interaction analysis of any DNA-binding proteins (motifs) to DNA.