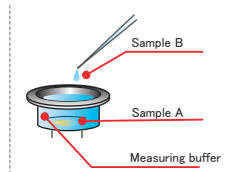


Structure change of thin-film

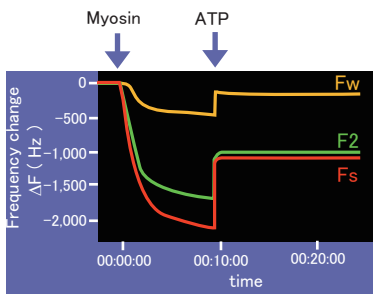
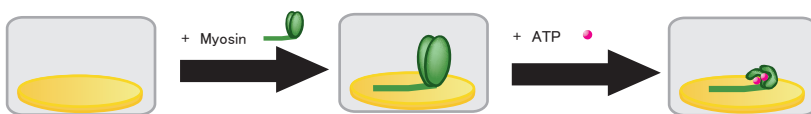
Methods

1. Add 500 μ L of measuring buffer and start measuring.
2. Add 5 μ L of sample A.
3. Wash and change to fresh buffer
4. Add 5 μ L of sample B.

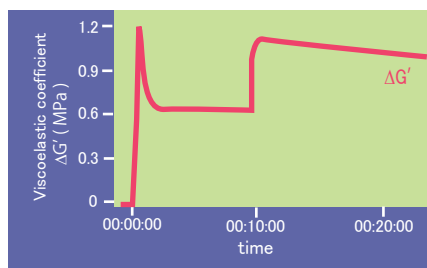
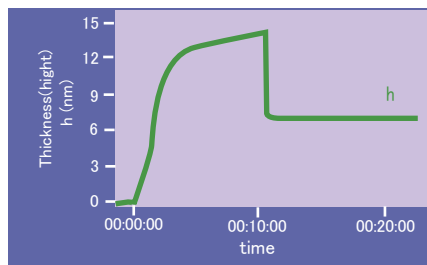


Example

Structure change of myosin



Analysis



It is known that the structure of myosin molecule is changed by binding with ATP. ATP binding causes flexion of head portion of myosin molecule.

It is speculated that dramatically shortened thickness of myosin layer by ATP addition is due to flexion of head portion. Moreover, complex structure change is imagined from the real time monitoring of viscoelastic coefficient ($\Delta G'$).

Application

1. Evaluation of structure change of protein.
2. Evaluation of temperature dependent structure change of materials (polymer etc.).