

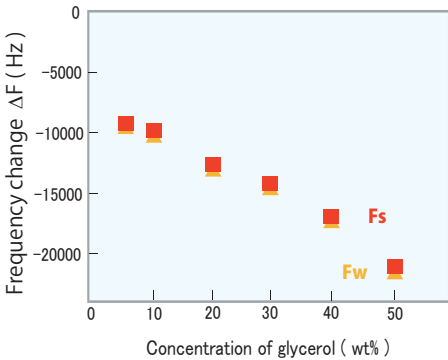
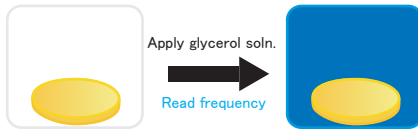
Viscosity measurement of liquids

Method

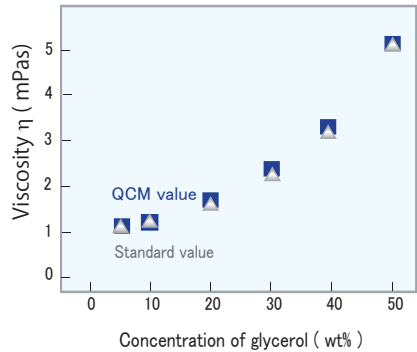
1. Measure frequency before addition of sample.
2. Add 500 μ l of Glycerol solution.
Calculation of viscosity η (mPa·s) from frequency change.
 - ※ Sample volume of 10ul is possible in viscosity measurement.

Example

Viscosity measurement of glycerol solution



Analysis



F_w essentially shows viscosity change. It decreases when viscosity increases. Viscosity (η) is calculated from F_s and F_w .

※ Viscosity is calculated when the solution is newtonian fluids.

Application

1. Viscosity measurement of newtonian fluids.
 - ※ If F_2 is no change by concentration change, the solution is newtonian fluid.)
2. Monitoring of secretory components in culture supernatant.
3. Prediction of solution components.
4. Monitoring of concentration change of fluids.