

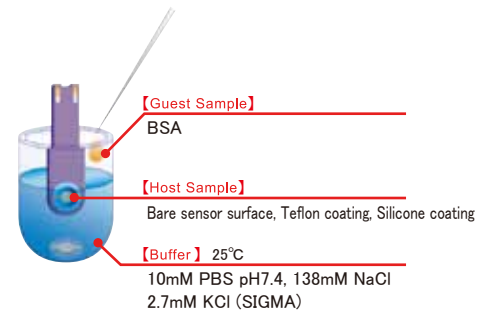
Application Note

B-03

Adsorption of Proteins on Various coating materials

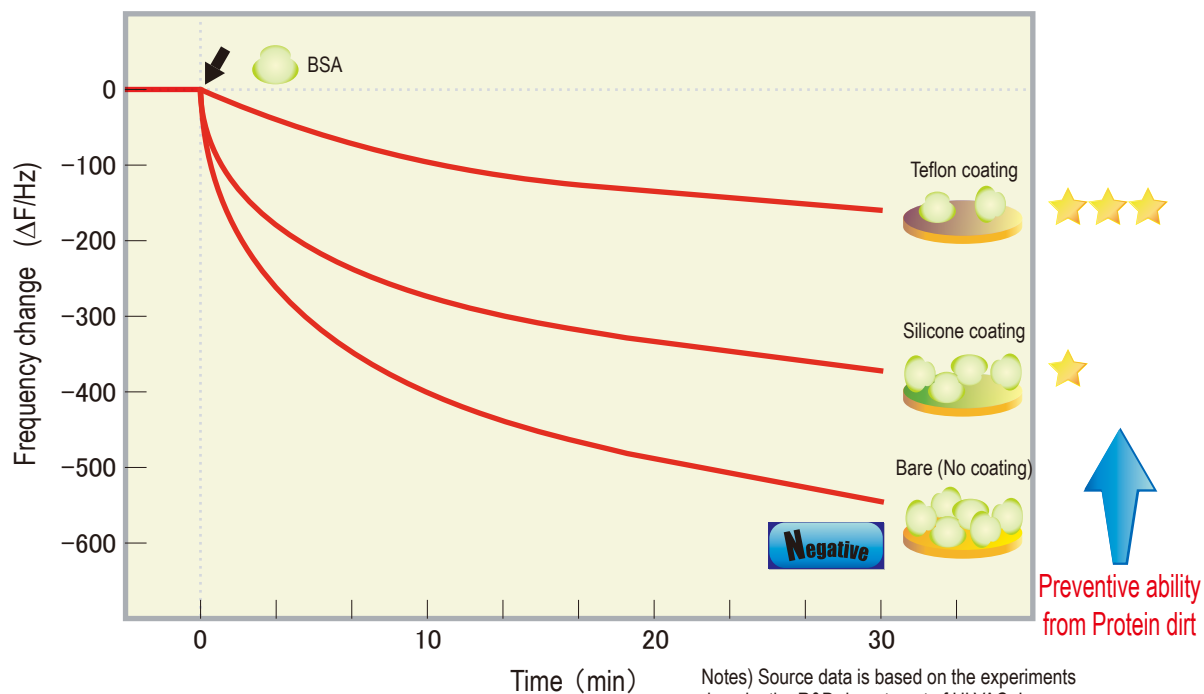
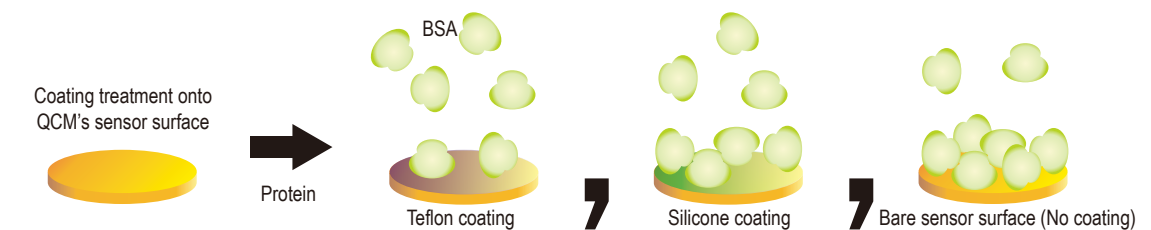
Materials

1. Coating made of Teflon
*Water soluble, emulsified Fluoro resin solution
*Effect: Water, Oil, Dirt and Chemicals resistance
2. Coating made of Silicone
*Hydrophilic coating for automotives' glasses
*Effect: Hydrophilic treatment and surface protection of window glasses and mirrors
3. Bovine Serum Albumin (BSA)



Results

1. Effectiveness of preventing protein adsorption on the following surface.
Teflon coating > Silicone coating > Bare (No coating)



Applications

1. Evaluation of adsorption of proteins, particles and polymers on various coatings.
2. Effectiveness and endurance testing of newly developed coating materials.
3. Adsorption evaluation of all-round industrial materials such as pipes, paints, plastic, ceramics and etc.