

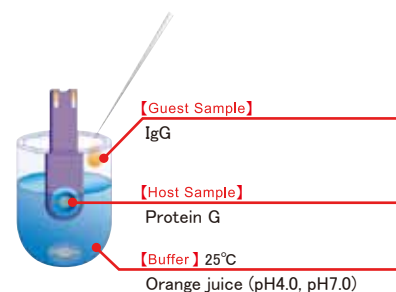
Application Note

A-20

pH dependent interaction between Proteins

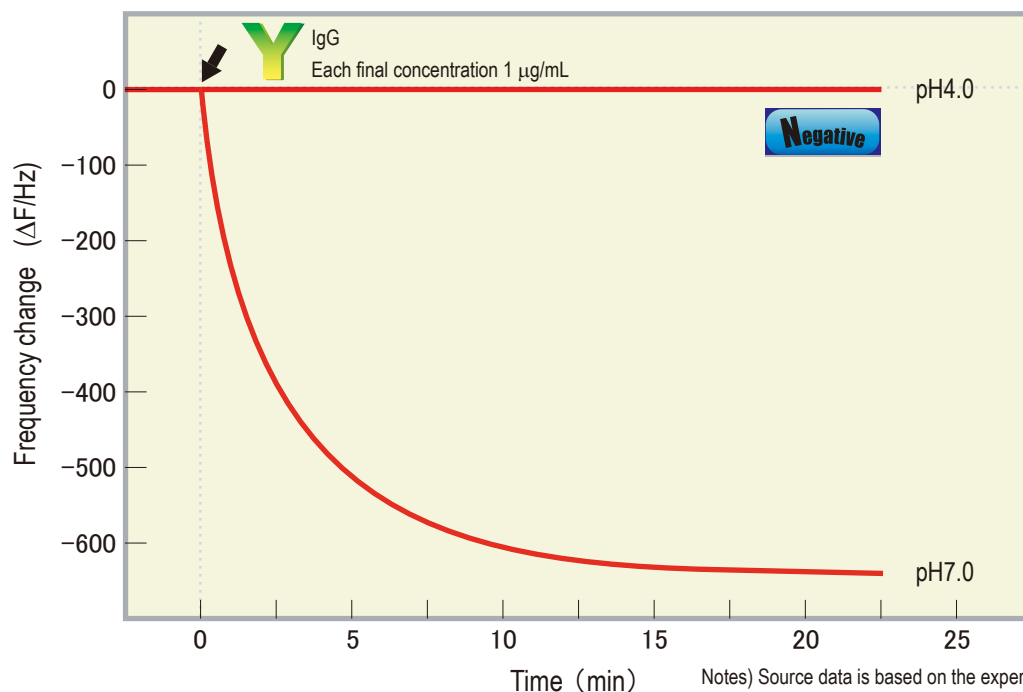
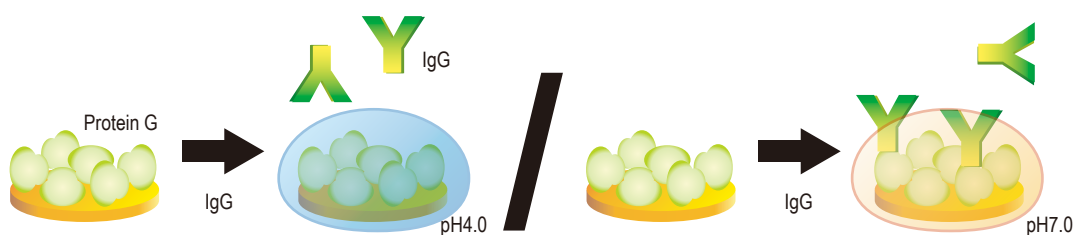
Materials

1. Protein G (Zymed Laboratories Inc. No.10-1200)
2. Rabbit Anti-Mouse IgG Antibody (IgG)
3. Orange juice *100% natural juice
*pH4.0→Undiluted solution
*pH7.0→pH adjusted with NaOH



Results

1. Interaction between proteins was not observed at pH4.0.
2. Interaction between proteins was observed at pH7.0.
3. The optimum pH for protein interaction exists.



Notes) Source data is based on the experiments done by INITIUM, Inc.

Applications

1. Orientation-controlled immobilization antibody.
2. Measurement at optimum conditions in the crude solution.
3. Activity evaluation of protein at different pH condition.