

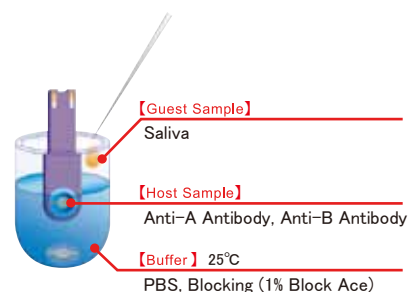
Application Note

A-17

Judgment of Blood group with Saliva sample

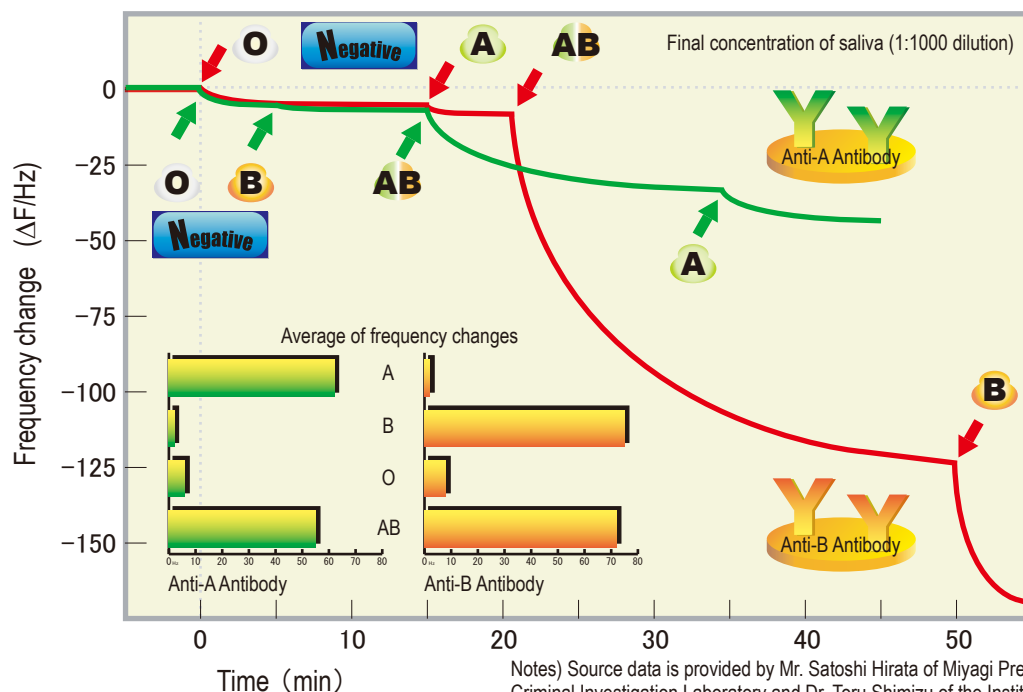
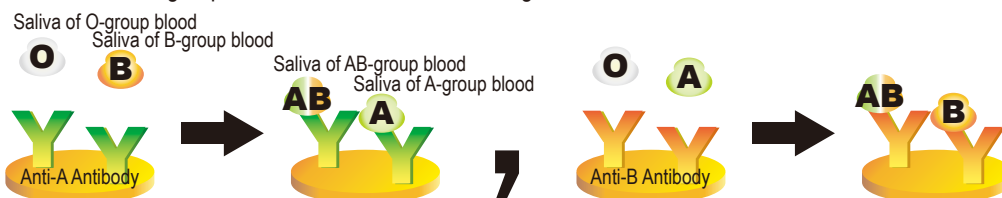
Materials

1. Sterilized Saliva of each group's blood (A, B, O, AB)
2. Anti-A Antibody
(Institute of Immunology Co., Ltd.) *IgM
3. Anti-B Antibody
(Wako Pure Chemical Industries, Anti-B Antibody) *IgM
4. Blocking reagent (Dainihon Sumitomo Pharmaceuticals)



Results

1. Anti-A Antibody recognized A-group blood and AB-group blood that have A-group Antigen.
2. Anti-B Antibody recognized B-group blood and AB-group blood that have B-group Antigen.
3. Blood group can be identified from a binding amount of saliva.



Notes) Source data is provided by Mr. Satoshi Hirata of Miyagi Prefectural Police Criminal Investigation Laboratory and Dr. Toru Shimizu of the Institute of Multidisciplinary Research for Advanced Materials, Tohoku University.

Applications

1. Quantitative evaluation of Antigen-Antibody reaction.
2. Prompt inspection at the crime scene or medical scene.
3. Detection of specific Antigen from crude sample.