



## PROTEIN RESIDUES

### Instant Swab Total Protein (Cat. No. M2401)

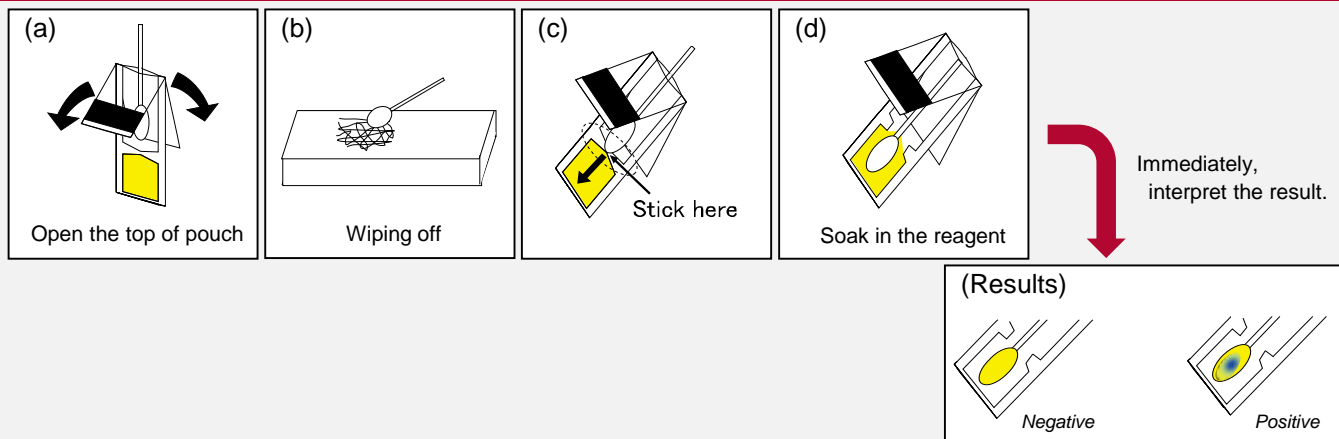
#### Kit components

- Test Pouch \* (50 units)  
\* Including: Test swab & Reagent
- Instruction

#### Related Products

- ELISA Kit II
- Rapid Test Pro II
- Rapid Test Easy

#### Procedure



See instruction for more detail.



#### Features

- Simple and easy to use
- Quick detection of proteins
- Suitable for surface swabbing
- No need for special equipment

#### Performance

Sample preparation time **Not Needed**

Assay time **In seconds**

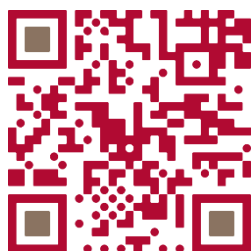
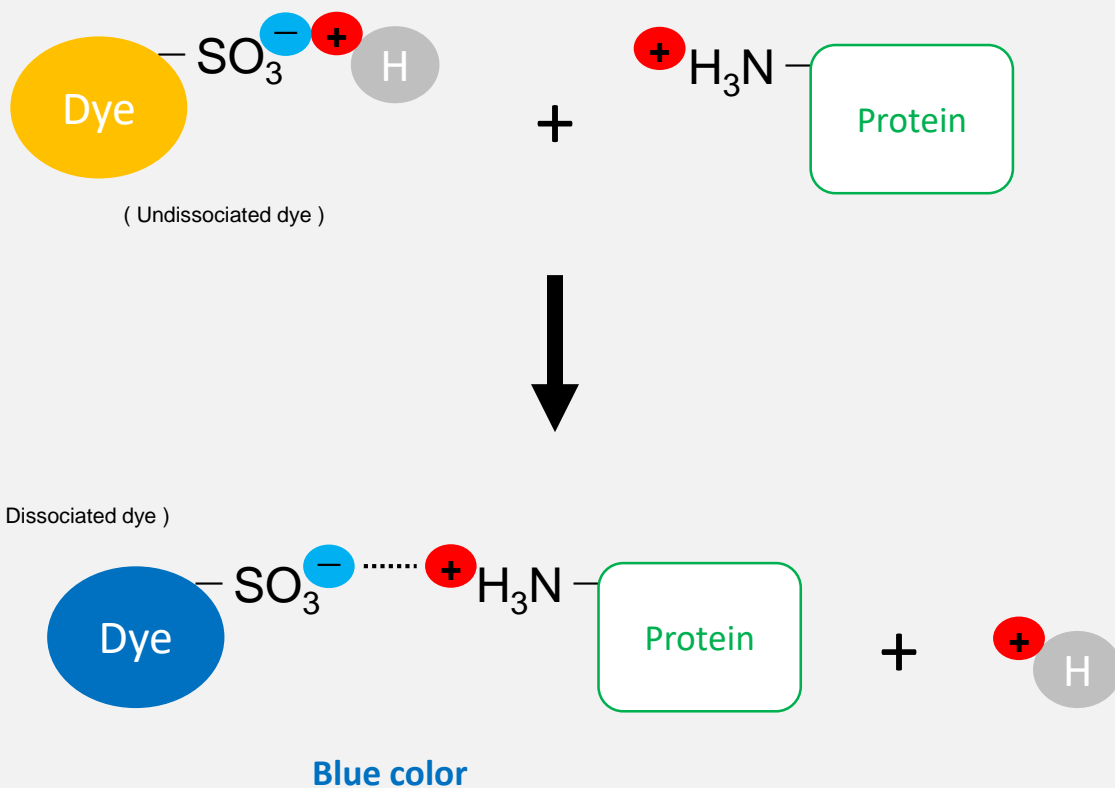
Limit of detection **10  $\mu$ g**

## Measurement Principle

- In acid solution, the anion of the dissociated dye binds to a positively charged site of a protein (see the below Figure).
- Due to the alteration of absorption wavelength, the color of the dye binding with proteins is different from that of the dye.
- If there are proteins in the reagent, the color will change. The color change is in proportion to the concentration of proteins.

(Reference: Y. Suzuki, *Anal Sci.* 2001 Nov;17(11):1263-8.)

**Figure:** the dye binds with positively charged protein



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