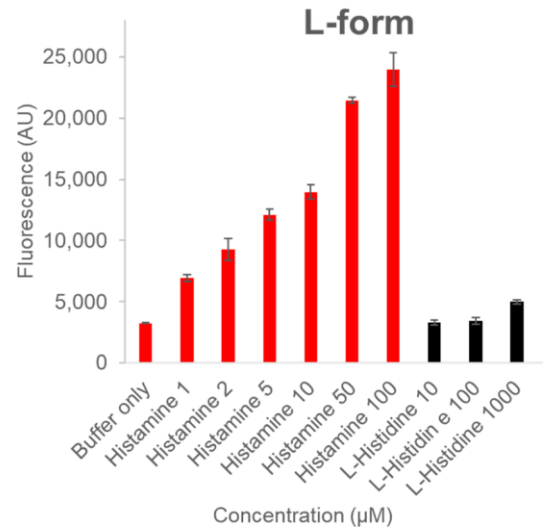
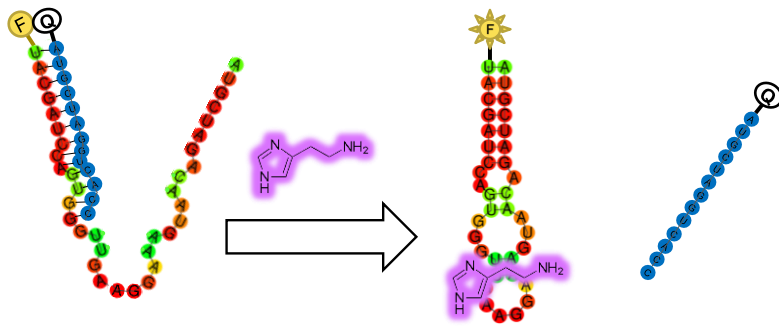


RNA-based histamine sensor



Applications

- Histamine detection kit

Problem & Solution

Histamine is a signaling molecule that mediates various physiological reactions such as neurotransmission, inflammation, and allergic reactions. On the other hand, histidine-containing foods, such as redfish and cheese, can cause food poisoning due to histamine produced by bacteria from histidine if storage temperatures are not appropriate. Contrast to currently used histamine detection methods that require expensive equipment or enzymatic reactions, this technology uses L-type RNA aptamers that specifically bind to histamine, and detects changes in fluorescence intensity according to histamine concentration.

Benefits

- Simplicity
- Flexible applications

Keywords

RNA, riboswitch, RNAi, ribozyme

For more information

Business Development/Technology Licensing Section

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