



Food Research Products

Mucin Assay Kit

For research on health and beauty



For detection of guaiacol-producing TAB

Guaiacol Detection kit

What's bad about TAB?
Are your products OK??



FOOD ALLERGEN SCREENING TEST KIT FAST KIT ELISA VER. III



Deoxynivalenol (DON) ELISA kit

For the measuring
Deoxynivalenol(DON) in cereal and feed



L-Glutamate Assay Kit II

L-Glutamate measurement kit

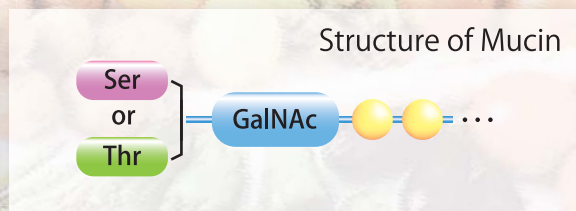
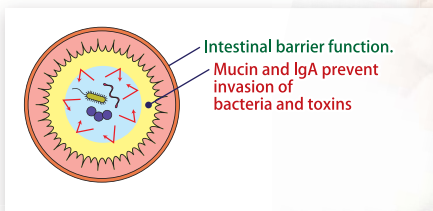
Accurate quantification
Simple handling
Low overhead cost



Mucin Assay Kit *For research on health and beauty*

Mucins are a family of heavily glycosylated proteins, and are the **main components** of mucosa such as saliva, tear, gastric fluid or enteric fluid. Basic configuration of mucin are macromolecules linked ramiform sugar chain to peptide framework. The heterogeneous property of sugar chain makes them diverse; the molecule has various functions, such as specific molecular recognition. Some of the sugar chains recognize a specific protein derived from virus and bacteria. Mucins are positioned in mucosal barrier function in the gut, stopping the translocation of pathogens and toxins into blood vessel beyond the intestinal wall.

We can provide this unique kit especially for functional food development and infection research.



Description	Cat. No.	Quantity	Storage
Mucin Assay Kit	CSR-FFA-MU-K01E	1 kit	4°C

Kit Component

- Buffer solution A (tablet): x3 for 100 mL
- Buffer solution C (boric acid): x1 25 mL
- Standard solution (N-acetylgalactosamine, 250 µg / mL): x1 1.0 mL
- Enzyme solution: x1 1.5 mL
- Buffer solution B (acetic acid): x1 25 mL
- Reagent A (2-cyano acetamide): x1 1.0 mL Reagent B (NaOH): x2 1.5 mL



For detection of guaiacol-producing TAB **Guaiacol Detection kit**



A. acidoterrestris
Kindly provided by Mr. K. Goto, (MITSUI NORIN CO.,LTD.)

Alicyclobacillus acidoterrestris (AAT) is a gram-positive, spore-forming bacillus that occurs widely in nature. This species has been studied substantially after the incident of turbidity of transparent apple juice in 1984. The *Alicyclobacillus* genus bacteria, which peculiarly grow under relatively high temperature and acidic condition, are called Thermo-Acidophilic Bacilli (TAB). TAB are not destroyed by pasteurization and may remain in final products of fabricated food and beverages. TAB are not known to be harmful to health but are known to degrade the quality of juices and other products by producing guaiacol, causing off-flavor.

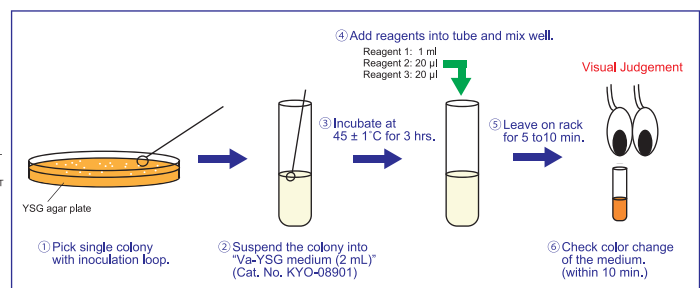
Since it is difficult to avoid and detect contamination of TAB, Niwa *et al.* have developed an easy test kit to differentiate *Alicyclobacillus acidoterrestris* with productivity of guaiacol.



Brown color indicates contamination of AAT



- ① Negative Control
- ② *A. acidoterrestris* B2067
- ③ *A. acidoterrestris* ATCC49025^T
- ④ *A. acidocaldarius* ATCC27009^T
- ⑤ *A. acidocaldarius* HP2
- ⑥ *A. genomic sp.* P2
- ⑦ *A. genomic sp.* DSM11983



Description	Cat. No.	Quantity	Storage
Guaiacol Detection Kit	KYO-08921	100 test	4°C
Va-YSG Medium	KYO-08901	100 pc	4°C

FOOD ALLERGEN SCREENING TEST KIT FASTKIT ELISA VER. III EGG PEANUT WHEAT BUCKWHEAT MILK SOYBEAN SESAME

This product is a **food allergen screening** test kit which can detect allergen proteins in **foods**.

Principle

- This kit is intended to measure allergen proteins in food products.
- This kit can measure standard allergen proteins in a solution at a concentration ranging from 0.78 to 50 ng/mL.

An example of measurement from food

1g of crushed food sample

Add 19ml of Extraction medium and concuss it for more than 12 hours

After centrifugation, remove inessential materials by filtration

Dilute it 20 times with dilution buffer

ELISA operation

Measure absorbance with plate reader

This product is based on the guidelines shown by CAA Notification No. 286 from the Deputy Secretary General of the Consumer Affairs Agency dated September 10, 2010, "Test methods for food products containing allergic substances".



Description	Cat. No.
FASTKIT ELISA Ver. III EGG	NPH-999100430EX
FASTKIT ELISA Ver. III WHEAT	NPH-999100431EX
FASTKIT ELISA Ver. III PEANUT	NPH-999100432EX
FASTKIT ELISA Ver. III BUCKWHEAT	NPH-999100433EX
FASTKIT ELISA Ver. III MILK	NPH-999100434EX
FASTKIT ELISA Ver. III SOYBEAN	NPH-999100435EX
FASTKIT ELISA Ver. III SESAME	NPH-999100436EX

Size: 1 kit (96 wells (8 wells x 12 strips))

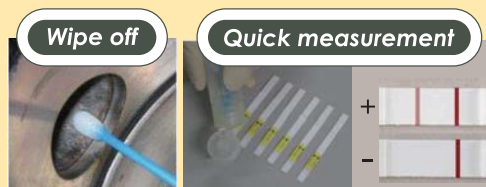
Storage: 2-8°C

FASTKIT SLIM SERIES



Detect allergy substances in 15 minutes!

Anybody can perform the test easily!
Applicable for smear tests!



Product Features

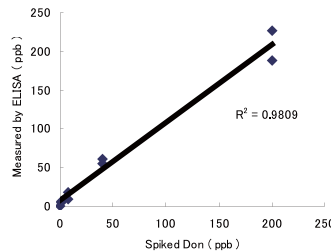
- Simple one-step operation that only requires a drop of sample solution
- Judgment: appearance of reddish violet line
- Simple and rapid test is best for routine management at the production sites.

Description	Cat. No.
FASTKIT SLIM EGG	NPH-NF5001
FASTKIT SLIM MILK	NPH-NF5002
FASTKIT SLIM WHEAT	NPH-NF5003
FASTKIT SLIM BUCKWHEAT	NPH-NF5004
FASTKIT SLIM PEANUT	NPH-NF5005
FASTKIT SLIM SOYBEAN	NPH-NF5006

Quantity: 20 tests Storage: 2-8°C

Deoxynivalenol (DON) ELISA Kit

For the measuring of Deoxynivalenol(DON) in cereal and feed



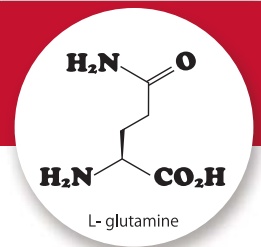
Cross reactivity with mycotoxin of trichothecene

DON	100%
15Ac-DON	120%
3Ac-DON	0.1%
NIV	5%
T2	<0.1%

Deoxynivalenol(DON) belongs to the trichothecene family mycotoxin and is most produced of Fusarium graminearum. DON often occurs in plant products particularly in cereal. Due to their high cytotoxic and immunosuppressive properties, these toxins pose a risk to human and animal health. Accurate determination of the presence of toxin is of major importance to those monitoring the quality of feed and food in which DON may occur. This kit is a simple and easy procedure kit for detection of DON in cereal with a monoclonal antibody.

Description	Cat. No.	Quantity	Storage
BroadCheck Deoxynivalenol kit	FRL-78700-EX	1 kit	4°C

L-Glutamate Assay Kit II



L-glutamate is a critical neurotransmitter. L- glutamate has key roles in cell metabolism and diseases. Therefore, detecting L-Glutamate has been a great focus in the Food science and biochemistry area.

Accurate quantification

Easy to use kit accurately measures L-glutamate in samples. No special skill are required.

Simple handling

Simple protocol compared to older assays utilizing L-glutamate decarboxylase or L-glutamate dehydrogenase.

Low overhead cost

Room temperature assay reads on standard absorption spectrometer at 600 nm. Does not require expensive specialized instrumentation.



Description	Cat. No.	Quantity	Storage
L-Glutamate Assay Kit II	YMS-80057	1 kit	4°C
L-Glutamate Oxidase 25	YMS-80049	25 unit	4°C



COSMO BIO Co., LTD.

TOYO EKIMAE BLDG. 2-20, TOYO 2-CHOME,
KOTO-KU, TOKYO 135-0016, JAPAN
TEL : (81)3-5632-9617
FAX : (81)3-5632-9618
e-mail : export@cosmobio.co.jp
URL : www.cosmobio.com

