

## Aller-tect™

A swab for the detection of protein residues

### ALLERGENS

Aller-tect is a quick, sensitive and simple swab test for protein. It can be used to determine if cleaning has been effective in eliminating proteins, including potentially allergenic proteins.

#### Fast

- Takes just seconds to perform
- Results are available in 15 minutes

#### Reliable

- Can detect protein residues on surfaces and in solution (e.g. rinse water)
- Can detect protein residues as low as 3µg
- Testing has shown that a positive Aller-tect result could equate to the presence of the following approximate minimum amounts of allergens:
  - 10-20µg whole egg
  - 25-50µg whole peanut
  - 10-20µg skim milk powder
  - 40µg gluten flour (83% Protein)
  - 20-40µg soy flour (46% Protein)

It is important to note that a residue may contain a mixture of allergenic and non-allergenic proteins and this must be taken into account when interpreting the Aller-tect result.

Note also that due to the variable protein content of food these values are indicative only.

#### Convenient

- Easy-to-use: just swab - click - heat - read!
- Digital Heating Block available
- Result is read visually using a color chart on the device
- Can be used by non-skilled operators
- Multiple tests can be performed at once – just label each swab, and activate all the tests together when you have finished sampling
- Suitable for swabbing wet and dry surfaces and for testing solutions
- Compact for easy storage; does not require refrigeration

#### Customer Support

- You can rely on the extensive training, technical and sales support from the Biotrace Group and its TECRA brand distributors worldwide

#### Why Test for Allergens?

- Food allergy is now recognized as an important food safety issue
- Protect your consumers and your brand name
- Support your label claims
- Prevent costly product recalls

#### Why Use Aller-tect™?

- Checking for removal of protein residues after cleaning can quickly identify contamination. As the majority of allergens are proteins, if a surface is found to be protein-free, it is also free of those allergens.
- Validated for a range of allergenic proteins. Approximate limits of detection have been determined.
- Easy to use - requires little technical experience and is ideal for use within a production facility.
- Visual reading and interpretation of results makes this test simple and convenient.
- Fast results mean the user can react quickly (e.g. re-clean and re-validate to minimise the risk of contamination).
- Sensitive results make this a reliable tool to include in your Allergen Management Plan.





## Easy to Use

### 1 Swab

**SURFACES:** Moisten the swab or surface using the moisturizer provided. Swab the defined area and return swab to its tube.

**RINSE WATER SAMPLES:**

Dip the swab into a rinse water sample and return swab to its tube.

### 2 Click

Firmly press down the handle into the swab and shake side to side.

### 3 Heat

Place the swab into a heating block (set to 55°C) for 15 minutes.

### 4 Read

Remove swab from Heating Block and compare the color of the solution against the color chart on the label.

## Interpretation of Results



If the liquid or swab is green, the surface is "clean", i.e. the swab contains less than 3µg of protein residues.

If the liquid or swab is any shade of grey or purple, protein residue is present. The surface should be re-cleaned and re-tested.

## Product Information

Product	Product Code
TECRA Aller-tect™ (60 tests)	ALLTEC60
Digital Heating Block (120V or 230V)	DHB120 or DHB230

## Other Hygiene Tests from Biotrace

Product	Type of Test	Number of Tests	Product Code
Check It™	Protein Test	50	CIT50
Pro-tect™	Protein Test	50/100	PRO50/PRO100
Clean-Trace™	ATP Test (surfaces)	100	UXL100
Aqua-Trace™	ATP Test (water)	100	AQT100

## Other Allergen Tests from Biotrace

Product	Type of Test	Number of Wells	Product Code
TECRA Peanut VIA™	Allergen ELISA	96	PNQVIA96
TECRA Egg VIA™	Allergen ELISA	96	EGQVIA96
TECRA Casein VIA™	Allergen ELISA	96	CSQVIA96 (available 2006)
TECRA BLG VIA™	Allergen ELISA	96	BLQVIA96 (available 2006)

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