

food safety



Confidence. Convenience. Compliance.

Food Allergen Detection and Quantification












ThermoFisher
SCIENTIFIC

Fast & simple allergen testing for accurate food labeling

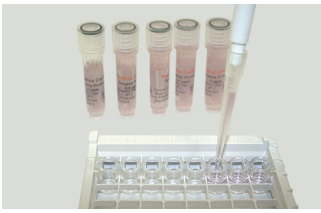
Ensure compliance with food product labeling requirements with **ELISA Systems™ Food Allergen Test Kits**. The comprehensive range of enzyme-linked immunosorbent assays (ELISA) is designed to detect and quantify the presence of specific proteins or residues in food products and environmental samples.

- **Fast**—Sample preparation to result in under 60 minutes for rapid test turnaround and actions
- **Simple**—Ready-to-use liquid reagents and concentrates, plus common handling procedure for all kits make ELISA Systems Assays easy to implement and run
- **Robust**—Ready-to-use liquid controls and allergen-free non-control reagents mean reduced risk of cross-contamination that could lead to false-positive results
- **Flexible**—Use for qualitative or quantitative testing: a single kit for more applications
- **Sensitive**—Detect proteins or protein residues (including heat stable proteins) at low levels for improved assurance of product safety
- **Supported**—Our experienced technical team is ready to assist you and help mitigate delays in test reporting

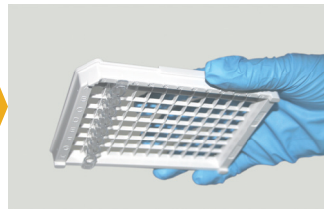
Assays for a wide range of allergen targets

Almond 	Buckwheat 	Crustacean 
Egg 	Gliadin (gluten) 	Hazelnut 
Lupin 	Milk (separate tests for casein, beta-lactoglobulin and whole milk) 	Mustard Seed 
Peanut 	Sesame 	Soy Protein 

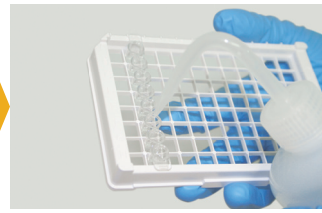
Fast, simple procedure



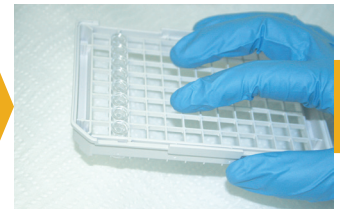
Add 100 μ L of standards and samples to antibody-coated wells. Mix for 10 seconds by gently shaking on flat surface. *Incubate for 10 to 30 minutes**.



Empty liquid from wells.



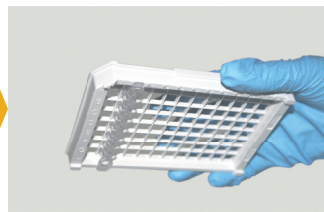
Wash wells thoroughly 5 times with wash buffer.



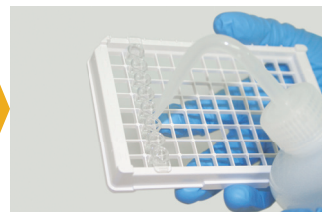
Tap wells firmly onto absorbent paper towel.



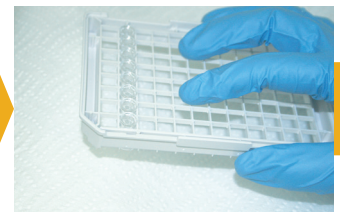
Add 100 μ L of conjugate solution to each well. Mix for 10 seconds by gently shaking on flat surface. *Incubate for 10 to 30 minutes**.



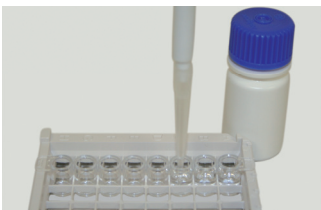
Empty liquid from wells.



Wash wells thoroughly 5 times with wash buffer.

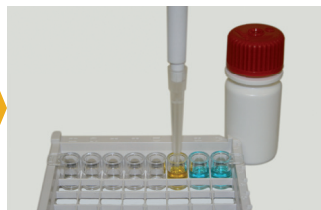


Tap wells firmly onto absorbent paper towel.

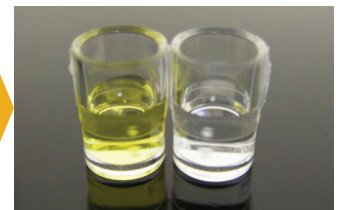


Add 100 μ L of substrate solution to each well. Mix for 10 seconds by gently shaking on flat surface. *Incubate for 10 to 15 minutes**.

DO NOT WASH



Add 100 μ L of stop solution to each well. Mix for 10 seconds by gently shaking on flat surface.



Read results visually or using a microplate reader by comparing with the color of the Standards. Results must be read within 30 minutes.

Interpretation of Results

Interpretation is based on the suggested extraction/dilution protocol. Results are for screening purposes. All results should be interpreted as part of a HACCP plan for Food Allergens. Any sample returning a positive result should be regarded as a presumptive result and confirmation or further testing should be performed.

**Dependent upon target allergen protein or residue.*

Product Code	Product Description	Format
ESARD-48	Almond Residue Detection Kit	48 tests/kit
ESBWPRD	Buckwheat Residue Detection Kit	48 tests/kit
ESMRDBLG	Beta-Lactoglobulin Residue Detection Kit	48 tests/kit
ESCASPRD	Casein Residue Detection Kit	48 tests/kit
ESCRURD	Crustacean Residue Detection Kit	48 tests/kit
ESERD-48	Egg Residue Detection Kit	48 tests/kit
ESEGG-48	Egg Residue Detection Enhanced Kit	48 tests/kit
ESGLISS-48	Gliadin Residue Detection Enhanced Kit	48 tests/kit
ESHRD-48	Hazelnut Residue Detection Kit	48 tests/kit
ESLFP-48	Lupin Residue Detection Kit	48 tests/kit
ESMUS	Mustard Seed Protein Residue Kit	48 tests/kit
ESPRDT-48	Peanut Residue Detection Enhanced Kit	48 tests/kit
ESPRDS-48	Peanut Sensitive Residue Detection Kit	48 tests/kit
ESSESRD	Sesame Residue Detection Kit	48 tests/kit
ESSOYPRD	Soy Protein Residue Detection Kit	48 tests/kit
ESTMLK-48	Total Milk Residue Detection Kit	48 tests/kit
ESSWB-10	Food Allergen Swab Kit	10 swabs
ESADDSOL	Extraction Solution Polyphenol (20x concentrate)	25ml
ESWASH	Wash Solution (20x concentrate)	25ml
ESEXT	Extraction Solution (20x concentrate)	25ml

© 2016 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. ELISA Systems™ Food Allergen Test Kits are manufactured by ELISA Systems Pty Ltd. ELISA Systems is a trademark of ELISA Systems Pty Ltd.

Contact Information:

microbiology@thermofisher.com
International +44 (0) 1256 841144

LT2125A_rev1
November 2016

ThermoFisher
SCIENTIFIC