

Veratox® for Food Allergens

Neogen's Veratox microwell food allergen test kits are sandwich enzyme-linked immunoassays (S-ELISAs) that require minimal training and standard laboratory equipment to produce quantitative results in only 30 minutes following extraction. The tests provide a method of easily determining if an ingredient or product has been subject to cross-contact with a food allergen. The Veratox format provides easy data tracking and analysis.



Veratox range

Product Code	Test	Range of detection
8440	Veratox for Almond Allergen	Quantitative range of 2.5 – 25 ppm almond
8460	Veratox for Casein Allergen	Quantitative range of 2.5 – 15 ppm non-fat dried milk
8520	Veratox for Crustacea Allergen	Quantitative range of 2.5 – 25 ppm crustacea
8450	Veratox for Egg Allergen	Quantitative range of 2.5 – 25 ppm whole dried egg
8480	Veratox for Gliadin	Quantitative range of 5 – 50 ppm gliadin
8510	Veratox for Gliadin R5	Quantitative range of 2.5 – 40 ppm gliadin
8420	Veratox for Hazelnut Allergen	Quantitative range of 2.5 – 25 ppm hazelnut
8400	Veratox for Mustard Allergen	Quantitative range of 2.5 – 25 ppm mustard
8410	Veratox for Soy Allergen	Quantitative range of 2.5 – 25 ppm soy flour
8430	Veratox for Peanut Allergen	Quantitative range of 2.5 – 25 ppm peanut
8470	Veratox for Total Milk Allergen	Quantitative range of 2.5 – 25 ppm non-fat dried milk
8530	Veratox for Sesame	Quantitative range of 2.5-25 ppm sesame

Product Specifications

Test kits: 48 well S-ELISA, up to 38 samples per kit

Range of quantification*: 2.5 – 25 ppm

Controls provided: 0, 2.5, 5, 10 and 25 ppm

Testing time: 30 minutes after extraction

*Please refer to table for the range of quantification for Casein and Gliadin.



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Veratox[®]

for Food Allergens

Procedure

Read test kit instructions completely before performing test.

Veratox extraction procedure

For almond, casein, egg, hazelnut, mustard, soy, peanut, sesame and total milk.

1. Obtain a representative sample and grind to a very fine particle size. Transfer 5 g of sample or 5 mL of a liquid sample into a disposable extraction bottle.
2. Add one level scoop of the extraction additive to the sample bottle.
3. Pour 125 mL of pre-warmed extraction solution at 60°C (140°F) to the sample bottle.
4. Extract by shaking (150 rpm) in a water bath at 60°C (140°F) for **15 minutes**. Remove the bottle from the bath and let the material settle for **5 minutes**. Use the clear sample supernatant as the sample extract.

NOTE: Excludes Veratox for Crustacea and Gliadin tests.
Contact Neogen for extraction procedures.



Veratox test procedure

1. Add 150 µL of control and sample extract into red-marked mixing wells.
2. Transfer 100 µL of the control and sample extracts into the clear antibody wells. Incubate for **10 minutes**.
3. Empty the contents of the wells into a sink. Using a wash bottle, fill each antibody well with the wash buffer solution and dump out. Repeat the washing 5 times, or as specified in the kit insert.
4. Turn the wells upside down and tap out on a paper towel until the remaining washing solution is removed.
5. Add 100 µL of conjugate solution into the clear antibody wells. Incubate for **10 minutes**.
6. Repeat the wash step as described in step 3.
7. Add 100 µL of substrate solution into the clear antibody wells. Incubate for **10 minutes**.
8. Add 100 µL of stop solution into the clear antibody wells.
9. Read antibody wells in a microwell reader with a 650 nm filter and calculate results.



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