

# WALNUT

## MonoTrace<sup>®</sup> ELISA



**BioFront**  
TECHNOLOGIES

### MonoTrace<sup>®</sup> ELISA Kits for Food Allergen Detection

MonoTrace ELISA kits represent the first comprehensive line of monoclonal antibody-based assays aimed at helping the food industry to accurately detect and quantify trace amounts of nut allergens in various food matrices. These ELISAs incorporate precisely defined sets of monoclonal antibodies targeting major food allergens such as walnut and provide quantitative results in just 30 minutes post-extraction thanks to three 10-minute incubations!

- 10-minute sample incubation
- 10-minute conjugate incubation
- 10-minute substrate incubation

### The MonoTrace<sup>®</sup> Advantage

- Target major food allergens
- Robust assay with high specificity to target allergen
- Quantitative assay in 30 minutes
- Uniform extraction for multiple allergens
- Wide quantitative range (e.g., 1 – 40 ppm)
- Reduce food matrix interference and cross-reactivity
- Sensitivity at or below 1 ppm
- Ready-to-use Standards

### MonoTrace<sup>®</sup> Walnut ELISA Performance

**Product #:** WJ4-EK-48 (48-well)  
WJ4-EK-96 (96-well)

**Testing Time:** 30 minutes

**Extraction Time:** 10 minutes

**Number of Tests per Kit:** 48 or 96

**Limit of Detection:** < 1 ppm

**Range of Quantification:** 1 - 40 ppm

**Specificity:** Walnut

### The Front of the Line in Food Safety



The MonoTrace Walnut ELISA kit can be used to detect and quantify the presence of walnut protein in complex food matrices or to check for the removal of potentially allergenic walnut protein residues after surface swabbing.



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