

Zoom In on Wheat

The Wheat Zoomer is the most comprehensive test available for those reactive to wheat or its proteins, like gluten. While many are familiar with gluten sensitivity, it's just one type within the broader category of *wheat sensitivities*.

Vibrant's Wheat Zoomer chip displays all essential wheat proteins as overlapping 18-mer peptides covering the whole protein. These chips are placed on a 96-pillar plate and assayed against samples to determine wheat reactivity.

These peptides include but are not limited to the following:

**Alpha Gliadins, Alpha-Beta Gliadins,
Gamma Gliadins, Omega Gliadins,
LMW Glutenins, HMW Glutenins,
Wheat Germ Agglutinins,
Amylase/Protease Inhibitors,
Farinins, Globulins, Serpins**

Zoom Out of Wheat

The Wheat Zoomer is not only the leading test for early diagnosis of celiac disease and wheat-related issues—this unique tests guides practitioners in detecting underlying cause *beyond* wheat.

This test helps identify patients with autoimmune responses triggered by gluten, based on how they react to **transglutaminases**. Specifically, antibodies against Transglutaminase 2 indicate celiac disease, Transglutaminase 3 points to dermatitis herpetiformis and skin conditions, while Transglutaminase 6 is linked to gluten-related neuropathy and neurological conditions.

Additionally, the Vibrant Wheat Zoomer offers the most comprehensive intestinal permeability panel, checking for antibodies to three critical biomarkers: **zonulin, actin, and LPS (lipopolysaccharide)**.

Whether your patients are suffering from systemic issues like depression, fatigue, brain fog, or nutrient deficiencies; digestive problems like IBS or reflux; food sensitivities; or autoimmune conditions such as celiac disease or rheumatoid arthritis, the Wheat Zoomer is a valuable tool for your practice.

	Vibrant Wheat Zoomer	Competitors
Multiplexed Antigens	Over 30,000 peptides/antigens tested	12 peptides/antigens tested
High Sensitivity	Captures the complete profile of an individual's immune response	Only fractional coverage of the immune response
Assay Reliability	Tests in triplicate	Tests in duplicate or less
Non-Gluten Wheat Antigens	Comprehensive panel covering gluten and non-gluten components	Limited panel
Testing Resolution	High resolution test using overlapping peptide fragments	Low resolution test using non-overlapping peptides
High Specificity	Proprietary synthesis technology with high fidelity enabling specific antibody-to-antigen interaction	Outdated technology which rely on adsorption

Regulatory Statement:

This test has been laboratory developed and their performance characteristics determined by Vibrant America LLC, a CLIA-certified laboratory performing the test CLIA#:05D2078809. The test has not been cleared or approved by the U.S. Food and Drug Administration (FDA). Although FDA does not currently clear or approve laboratory-developed tests in the U.S., certification of the laboratory is required under CLIA to ensure the quality and validity of the tests.

Revised 9/06/2023