

WHEAT ZOOMER AT-A-GLANCE



What Patients Would Benefit From the Vibrant Wheat Zoomer?

- ❑ Suspected gluten or wheat sensitivity
- ❑ Suspected intestinal permeability (leaky gut syndrome)
- ❑ Gastrointestinal inflammation (diarrhea or constipation; cramping; nausea; discomfort after eating)
- ❑ Headaches, including migraines
- ❑ Neurological symptoms (memory loss, balance problems, numbness, tingling, anxiety)
- ❑ Skin rashes
- ❑ Joint pain
- ❑ Diagnoses of autoimmune conditions
- ❑ Low vitamin D status
- ❑ Multiple food sensitivities
- ❑ Excessive fatigue after meals



Quick Interpretation

Total Immunoglobulins

| | | |
|-----------|----------|--|
| IgG / IgA | Elevated | No additional risk |
| | Low | May affect accuracy of immune response to antigens tested; assess if remainder of test is reactive or relatively 'clean' |

Celiac

| | | |
|----------------------------------|--|----------------------------------|
| anti-TtG2 IgA | diagnostic of celiac disease | A gluten-free diet is imperative |
| anti-TtG2 IgG | not strictly diagnostic of celiac, but indicative of celiac progression, especially if low Total IgA | A gluten-free diet is imperative |
| anti-DGP IgG/IgA | specific for celiac disease, interpret in context of anti-TtG2 | A gluten-free diet is imperative |
| anti-Fusion peptide (IgG or IgA) | progression toward celiac, early indicator | A gluten-free diet is imperative |

Regulatory Statement

The general wellness test intended uses relate to sustaining or offering general improvement to functions associated with a general state of health while making reference to diseases or conditions. This test has been laboratory developed and its performance characteristics determined by Vibrant Genomics LLC, a CLIA-certified laboratory performing the test. 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.

Intestinal Permeability

| | | |
|--------------------------|---|---|
| Zonulin | increased paracellular permeability; assess relative to other markers; can be elevated due to gluten or bacterial dysbiosis, in some cases also ketogenic diets | A gluten-free diet is imperative |
| anti-zonulin IgG/IgA | increased paracellular permeability; can be elevated due to gluten or bacterial dysbiosis | Heal the gut barrier |
| anti-actin IgG/IgA | increased transcellular permeability; assess for dysbiosis | Heal the gut barrier |
| anti-LPS IgG/IgM and IgA | increased in both para- and transcellular permeability; assess for bacterial dysbiosis and screen for pathogenic bacteria | Heal the gut barrier and test for gut dysbiosis |

Transglutaminase panel

| | | |
|------------------------------------|---|----------------------------------|
| anti-TtG3 IgG/IgA | Any antibodies on this panel indicate gluten-mediated autoimmunity such as dermatitis herpetiformis and gluten ataxia | A gluten-free diet is imperative |
| anti-TtG6 IgG/IgA | | |
| anti-wheat germ agglutinin IgG/IgA | Antibodies on this panel indicate sensitivity to wheat germ agglutinin and may be related to low vitamin D status | A wheat-free diet is imperative |

Anti-Gliadin antibodies IgG/IgA

| | | |
|--|---|---|
| alpha gliadin | Any form or amount of anti-gliadin antibodies indicate gluten sensitivity | A gluten-free diet is imperative |
| alpha-beta gliadin | | |
| gamma gliadin | | |
| omega gliadin | | |
| Anti-gluteomorphin/anti-prodynorphin IgG/IgA | These antibodies indicate an opioid response to ingesting gluten/wheat | A gluten-free/wheat-free diet is imperative |
| Wheat IgE | allergy to wheat | Strict lifelong wheat elimination is imperative |
| Anti-glutenin IgG/IgA | any form of anti-glutenin antibodies is indicative of gluten sensitivity | A gluten-free diet is imperative |

Non-gluten wheat antibodies

| | | |
|-------------------------------------|---|---------------------------------|
| Serpin IgG/IgA | any antibodies on this panel indicate wheat sensitivity | Wheat elimination is imperative |
| Farinins IgG/IgA | | |
| Amylase/Protease Inhibitors IgG/IgA | | |
| Globulins IgG/IgA | | |
| Purinins IgG/IgA | | |



The Vibrant Advantage

Why run the Vibrant Wheat Zoomer? The Wheat Zoomer provides:

- ✓ the most comprehensive and sensitive assessment of gluten and wheat sensitivity
- ✓ the earliest and most sensitive detection of celiac available
- ✓ the most thorough assessment of intestinal barrier stability

With Vibrant's 3Dense technology, it is the only highly sensitive peptide-based array able to test for reactivity to over 33,000 peptides in wheat and gluten. By testing at the peptide level, we eliminate the common drawbacks of other food sensitivity tests that are confounded by water soluble protein limitations, whole protein or extract cross-reactivity, and cooked vs raw effects on proteolysis.

And, with a sensitivity and specificity of 99% and 100%, respectively, you can trust the clinical decisions you make based on the Wheat Zoomer every time.



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