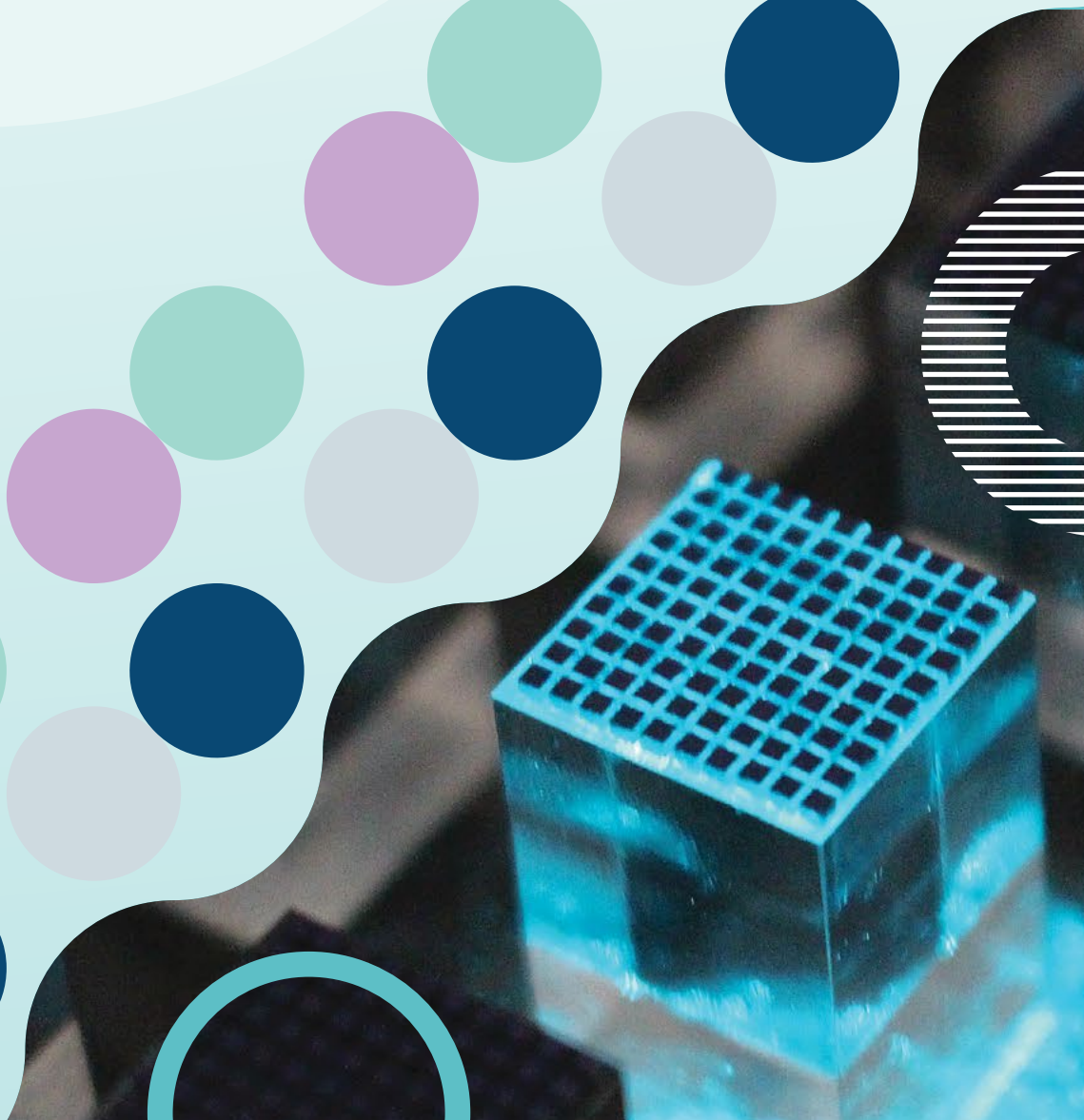
VibrantWellness

Product Catalog

Pioneering Longevity Through Precision Testing

Revised April 2025



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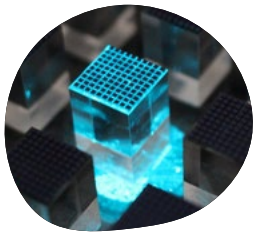
WHO WE ARE

We are fascinated by human health—one of life's greatest mysteries

Vibrant Wellness is a leading CAP-accredited and CLIA-certified biotech company based in Santa Clara, CA. We deliver life-transforming lab testing that enables health and wellness providers to discover the root causes of patient health issues.

We're at the forefront of modern medicine and research, providing personalized health analytics using cutting-edge, high-quality technology. We believe that anyone can achieve vibrant longevity through individualized solutions, based on the etiology.

We Offer



Precision automated technology

Rapid accurate reporting

Nationwide network of highly qualified phlebotomists

Expert Clinical Consultations

The most diverse testing menu available

Our Mission

We believe that anyone can achieve better health and vibrant longevity through individualized solutions, based on testing—not guessing.

We're fascinated by human health—one of life's greatest mysteries.

The impact of environment, nutrition, genetics, lifestyle, infections, and the interplay between the bacteria in our gut and our well-being—are all intertwined to create our complex health ecosystem.

Understanding this interconnectedness is key to helping people live longer, healthier, more vibrant lives.

Challenging questions like these led us to build Vibrant labs over 10 years ago. And today, they give us purpose.

Our People

We're a diverse team of scientists, technologists, clinical researchers, doctors, longevity advisors, engineers, and regulatory experts.

Together, we're pioneering the space of wellness and longevity.

Our Values

We Are Life-Transforming

We're at the forefront of modern medicine and research, providing personalized health analytics using cutting-edge, high-quality technology.

Our mission is to enable a better quality of life for those managing autoimmune and other chronic diseases using an integrated microarray platform that enables multiplex testing at an affordable cost.

We Are Science-Driven

We collaborate with more than 400 clinical researchers and scientists to continuously push the boundaries of what's possible in lab testing. Our research has led to breakthrough products and services in allergies, celiac disease, autoimmune disease, tickborne diseases, and more.

We Are Accredited

While most other labs carry only CLIA certification, our labs are CAP-accredited from the College of American Pathologists.

This rigorous process evaluates our lab's entire operation, from staff qualifications and equipment to safety protocols and record-keeping.

The Vibrant Advantage

Quality and Security

Trust your results with high-quality testing run in a CLIA-certified and CAP-accredited lab in Santa Clara, California.

Clinical Laboratory Improvements Amendments

CAP ACCREDITED
COLLEGE of AMERICAN PATHOLOGISTS

Experience the Vibrant Difference:

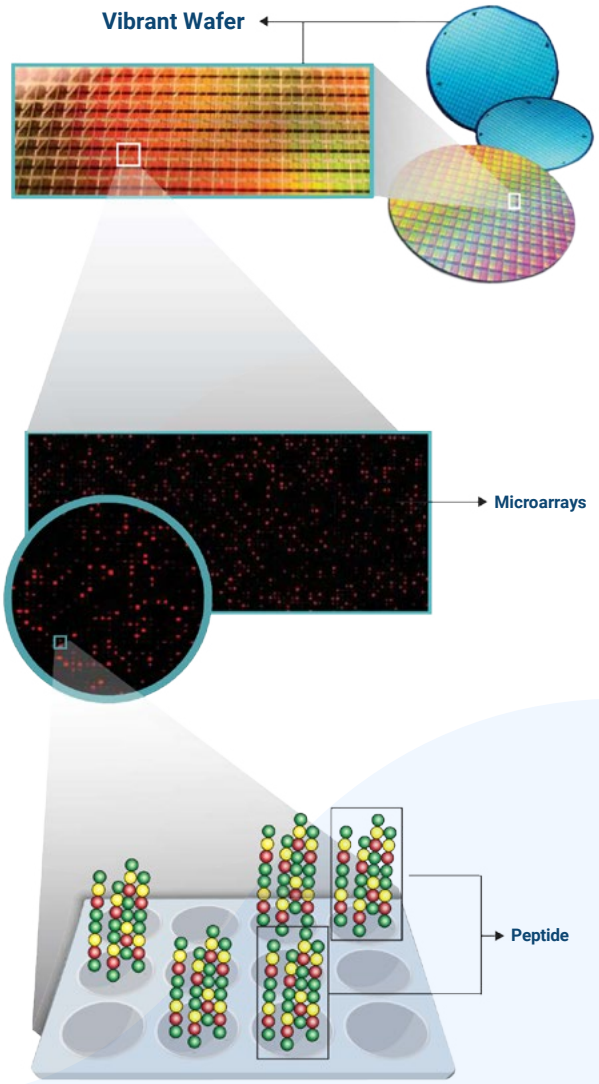
- ✓ The Gold Standard of Accuracy in the Lab Industry
- ✓ Results Trusted by Over 18,000 Functional Wellness Professionals
- ✓ Largest Selection of Comprehensive, Advanced Specialty Lab Tests
- ✓ Convenient, Full-Service Support from Our Clinical Team and Patient Navigation System

Our Testing

The largest selection of advanced specialty tests to uncover the root cause of symptoms in pivotal health areas including gut health, food reactions, nutrients, cardiovascular health, toxins, infections, hormones, and autoimmunity.

Industry Leading Technology

Many of our tests are run on a proprietary **3Dense microchip technology** platform with microarrays and mass spectrometry that boasts unrivaled specificity, accuracy, and sensitivity.



Trusted High-Quality Laboratory

- Accredited by the College of American Pathologists, rigorous performance standards preferred by top medical providers.
- Research featured in peer-reviewed publications with renowned international institutions.
- Studies backed by third-party blinded validations.
- Accreditations: CLIA, CAP, NY, HIPAA, ISO-13485

Concierge-Style Service

Best-in-class service to support all your patients' health needs.

We combine the best aspects of biotech, software, and academia to deliver life-changing science and research.

CLINICAL SUPPORT

Get Convenient, Full-Service Support from Our Clinical Team and Patient Navigation System

Your patients can complete many tests in the comfort of their own homes, with detailed video and image collection instructions to make testing as easy as possible.

Quickly track the status of your patients' test kits at home or on the go with mobile access.

Use our live chat support to get your questions answered fast.

Collaborate with our clinical team to help your patients reach their health goals with personalized lifestyle and nutrition recommendations.

VibrantWellness

Our Clinical Advisory & Research Team

We understand that patient care doesn't end with diagnosis. To achieve vibrant health, patients need ongoing support and actionable lifestyle changes. Our clinical support team helps providers make informed treatment recommendations, resulting in better patient outcomes.

Clinical Consultations

Schedule a consultation with members of our clinical team for in-depth test interpretation and guidance.

Meet the Clinical Team

Dr. Mary Beth Augustine, DCN, RDN, FAND

Lead Clinical Educator

Mary Beth Augustine is a Doctor of Clinical Nutrition (DCN), Registered Dietitian Nutritionist (RDN), and Fellow of the Academy of Nutrition and Dietetics (FAND). Mary Beth has successfully completed a Doctor of Clinical Nutrition degree, a Master's degree in psychology, and Bachelor's degree in food and nutrition.

Mary Beth's past work experience includes two decades practicing in integrative and functional medicine departments in three teaching hospitals in the New York City metropolitan area (Memorial Sloan Kettering Cancer Center, Mount Sinai Beth Israel Center for Health & Healing, and Englewood Hospital Graf Center for Integrative Medicine) and cardiovascular research at the American Health Foundation. Mary Beth's speaking highlights include the United Nations Committee on Aging, American Institute for Cancer Research Cancer Survivor Conference, Integrative Healthcare Symposium, Food & Nutrition Conference & Expo (FNCE), and the Hawaii, Massachusetts, Nebraska, New Hampshire, New York, West Virginia and Wisconsin Academy of Nutrition and Dietetics meetings. Mary Beth has been featured on CBS, ABC, NBC, and Fox 5 News, Today in New York, CNN Market Watch, Discovery Health TV, and National Public Radio.

A long-time Hodgkin's disease cancer survivor, brain tumor survivor, and hearing-impaired disability advocate, Mary Beth is dedicated to sharing her personal and professional passions to educate people about integrative and functional nutrition, disability studies, and sexual and gender diversity, equity, and inclusion in health care settings.

Dr. Jason Barker, ND

Jason is a naturopathic doctor who graduated from Southwest College of Naturopathic Medicine. He holds a Bachelor's degree in Exercise and Sport Science with a Minor in Anatomy and Neurobiology from Colorado State University. Dr. Barker completed a Doctorate in Naturopathic Medicine and a two-year residency at the National University of Natural Medicine.

He has expertise in clinical research and has served as a clinical consultant for the nutraceutical and sports medicine industry. Dr. Barker is also an author and an active recreational trail runner and triathlete.

When he's not working, Dr. Barker enjoys outdoor activities with his three children in Colorado.

Dr. Emaline Brown, ND

Dr. Emaline Brown earned her Doctor of Naturopathic Medicine degree from National University of Natural Medicine in Portland, Oregon and she also holds a Bachelor of Science degree in dietetics from Florida State University. She went on to complete one year of residency at Bastyr University Clinic in San Diego, California.

During her time in medical school, she completed a naturopathic mental health rotation at Pacific Psychology & Comprehensive Health Clinic and a preceptorship in community healthcare in downtown Portland focusing on transgender medicine, chronic disease, and medication management. After completing her residency, she began practicing integrative urgent and primary care while eventually serving as Director of Integrative Medicine Services and naturopathic residency supervisor for Healthtopia Clinics in Encinitas, California.

Her clinical interests include nutrition therapy and lifestyle medicine, integrative urgent care, women's health, dermatology, and preventive care and wellness. In her free time, she enjoys spending time in nature with her partner, Matt, and husky dog, Summit, exploring the San Diego food scene, traveling, cooking, and strength training.

Dr. Jessy Dhanjal, ND

Dr. Jessy Dhanjal, ND earned his Doctorate in Naturopathic Medicine from Bastyr University in San Diego, California. He also holds a Bachelor of Science in Biological Sciences from the University of California, Davis.

He has pursued advanced training in Functional Medicine through the Institute for Functional Medicine, focusing on environmental medicine and chronic disease management. His clinical expertise encompasses primary care, with a specialization in cardiometabolic health, autoimmunity, gastrointestinal health, and environmental toxin management.

Dedicated to lifelong learning, he actively participates in cutting-edge integrative medical conferences to stay current with emerging research and regenerative therapies.

Outside of his practice, he is passionate about exploring the latest in naturopathic medicine, believing in the body's innate ability to heal. In his free time, he enjoys outdoor activities and staying active in the beautiful surroundings of California. He values time with family and advocates for a balanced, healthy lifestyle.

Adair Anderson MS, RDN, LDN

Adair Anderson is Washington, DC based Registered and Licensed Dietitian Nutritionist who holds a Master's degree in Clinical Nutrition from Bastyr University. She has a strong background in biochemistry, having earned a Bachelor's degree in Biochemistry from Earlham College.

Adair has extensive experience in the field and has served on the boards of various nutrition and dietetics organizations. She specializes in helping clients overcome gastrointestinal conditions and focuses on resolving root-cause digestive issues using evidence-based, functional testing.

Outside of work, Adair enjoys outdoor activities such as cycling and rock climbing.

Suzette Garcia MSc: MHNE

Suzette Garcia, MSc: MHNE, is a Board Certified Holistic Nutritionist® certified through the Holistic Nutrition Credentialing Board (HNCB) and a Professional Member of the National Association of Nutrition Professionals (NANP). Garcia obtained her Master of Science in Health and Nutrition Education (MHNE) from Hawthorn University and has spent her nutrition career working in the field of functional health and nutrition with a strong focus on food sensitivities.

Garcia is fluent in both English and Spanish and offers interpretation of lab test results in both languages.

Suzette enjoys spending her spare time on the waters of south Florida, vacationing in tropical locations, practicing yoga, and furthering her education in the field of functional health and nutrition. She is a native Floridian who resides in Palm Beach County, FL.

Brooke Mader Ganev, MS, CNS, LDN, FDN

Brooke Mader, MS, CNS, LDN, FDN is a Clinical Nutritionist, Board-Certified Nutrition Specialist (CNS) and a professional member of the American Nutrition Association. She received her Master of Science Degree in Clinical Nutrition at Maryland University of Integrative Health (MUIH), and she continues to mentor graduate students from MUIH.

Brooke's areas of expertise include management of Type 2 diabetes, metabolic syndrome, and digestive imbalances. She is passionate about embracing real food, integrative medicine, and mindfulness.

In her spare time, you can find Brooke enjoying the outdoors, tending her vegetable garden, or at the beach with her husband and goldendoodle. In a nutshell, she really loves the ocean, plants, and smoothies.

Dr. Lillie Luu Duhn, DCN, CNS, LDN

Dr. Lillie Luu Nguyen, DCN, CNS, LDN is a licensed and a board-certified nutrition specialist (CNS). She is a proud UCLA Bruin, who then earned her master's and doctorate's degrees in Clinical Nutrition from Maryland University of Integrative Health (MUIH).

She is also part of the teaching staff at University of Western States. She specializes in cardiometabolic and gastrointestinal illnesses, with a strong focus on women's wellness. Lillie is very passionate about helping others eat healthily and happily, encouraging the concept that food should not only do good, but taste good as well.

In her spare time she enjoys eating anything with yuzu and matcha green tea in it, going on road trips with her husband, and being involved in disc golf, archery, and martial arts. She is a big biological science nerd, so you can often find her teaching others about the human body, and spending all day roaming through natural history museums, aquariums, and flower gardens.

Dana Filatova, DCN, CNS, LDN

Dana is a Doctor of Clinical Nutrition (DCN) and a Board Certified Nutrition Specialist (CNS). Her passion for health and wellness started at a very young age and only grew stronger once she started working with patients in a professional setting. Her passion for personalized nutrition and precision medicine eventually expanded to education and academia. She served as a Lead Student Nutrition Clinic Supervisor and Adjunct Faculty at her alma mater, Maryland University of Integrative Health, where she taught in both Master of Science in Nutrition and Integrative Health and Doctor of Clinical Nutrition Programs.

She joined the Vibrant Wellness Team in 2024 and is grateful to be able to share her experience, and provide support to clinicians who seek to improve their patients' wellbeing through learning and understanding the functional laboratory analysis in more depth. Laboratory science is one of her greatest passions and she is thrilled to be a part of the Clinical Support Team.

Additionally, Dana serves as a CNS Board supervisor and mentor. Dana's clinical and research focus is on digestive health, neuroendocrine-immune health, natural hormone balancing, reproductive health and fertility, and cardiometabolic health.

She loves spending time with her adorable labradoodle pack and is an avid Pure Barre goer. You can frequently find her outdoors with her three pups, enjoying nature, working on enrichment dog training, and preparing nutritious meals for them (pet nutrition is one of her latest additional passions).

PHLEBOTOMY

Our network of highly qualified phlebotomists are specifically trained to help you with Vibrant panel blood draws.

Phlebotomy Coordinators provide assistance for providers' in-house phlebotomists and offer free live "Vibrant Basic Training" webinars biweekly.

Patient Navigators assist patients and providers one-on-one in locating blood collection services in challenging areas and situations.

Vibrant Phlebotomy Network is a nationwide collection of skilled, independent phlebotomy companies searchable via the Vibrant Blood Draw Center as a courtesy to patients and providers in need of blood collection services.

Benefits of using the Vibrant Phlebotomy Network include:

Convenience for Providers and Patients

Our interactive Blood Draw Center, and the Vibrant Phlebotomy Team make the blood draw process as simple as possible for patients.

Highly Qualified

Our Phlebotomy Network consists of independent phlebotomy companies vetted and trained by the Vibrant Phlebotomy Team as well as hospital and clinic labs with confirmed kit collection capability.

TESTING & TECHNOLOGY

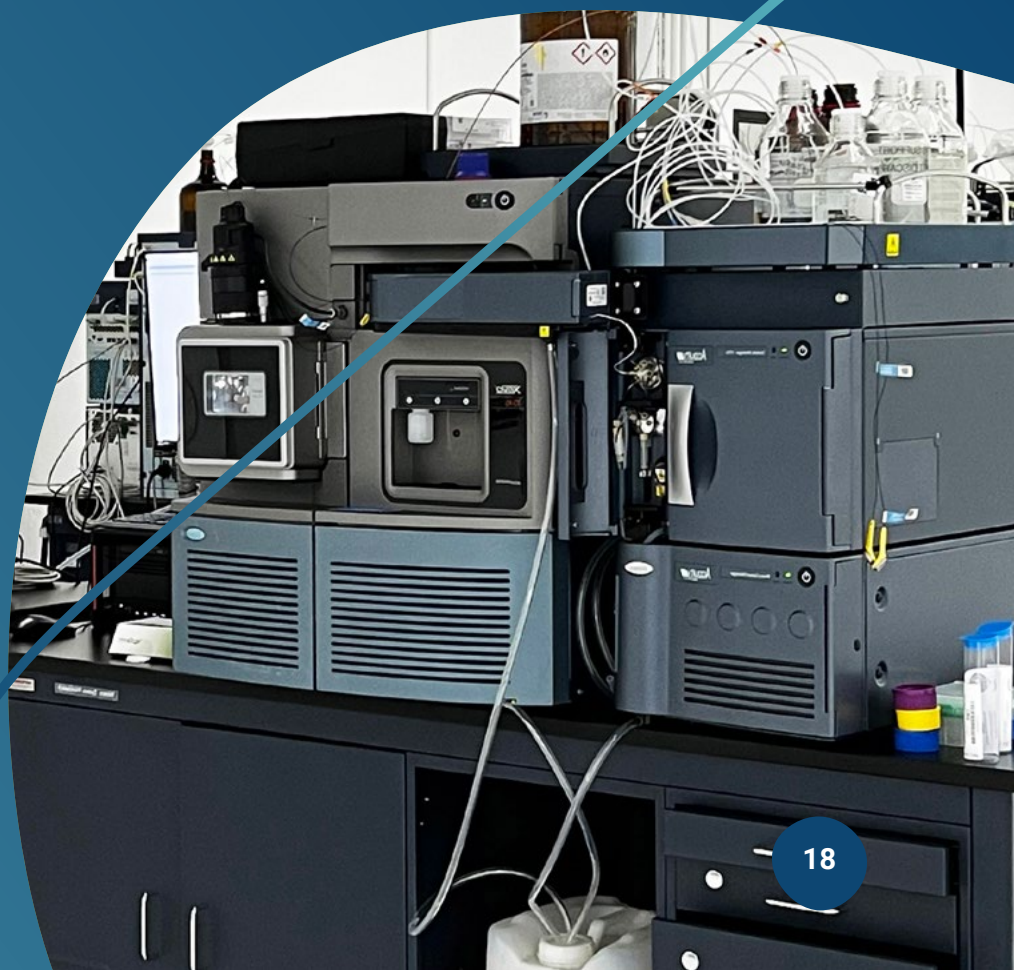
Cutting-edge research and technology enables superior testing and high-quality results from our lab.

Mass Spectrometry

- ✓ High-sensitive detection of small molecules.
- ✓ Gold standard of accuracy for nutrients and toxins.
- ✓ Mass spectrometry connected with liquid, gas, or plasma-based separators are used in our lab.

Tests Featuring This Methodology:

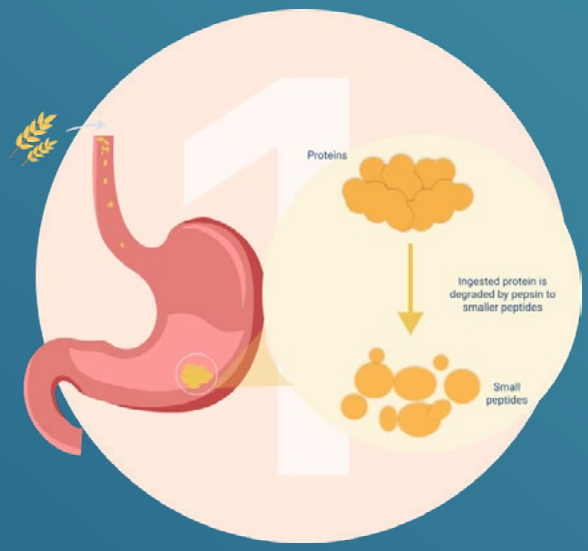
- ✓ Environmental Toxins
- ✓ Gut Zoomer - Metabolites
- ✓ Heavy Metals
- ✓ Micronutrient Panel
- ✓ Mycotoxins Test
- ✓ Neurotransmitters
- ✓ Organic Acids
- ✓ PFAS Chemicals Test
- ✓ Salivary Hormones
- ✓ Total Tox Burden
- ✓ Urinary Hormones
- ✓ Oxidative Stress Profile

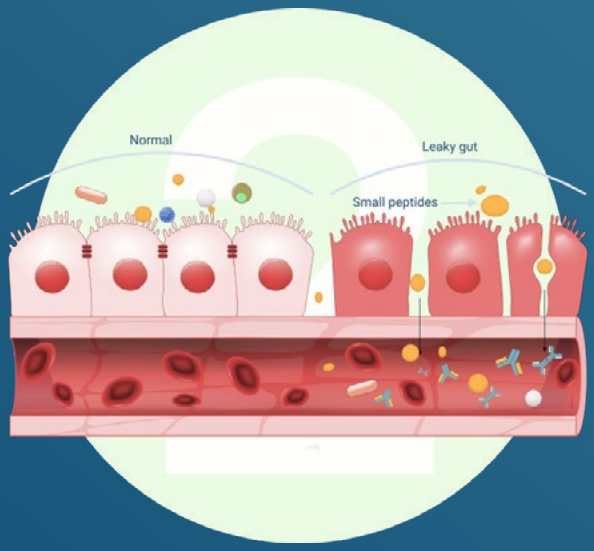


Peptide Arrays

1

Your body breaks down food proteins into peptides whether it is cooked or raw.





2

If you have leaky gut, peptides can leak into your blood and your body can produce antibodies against these peptides.

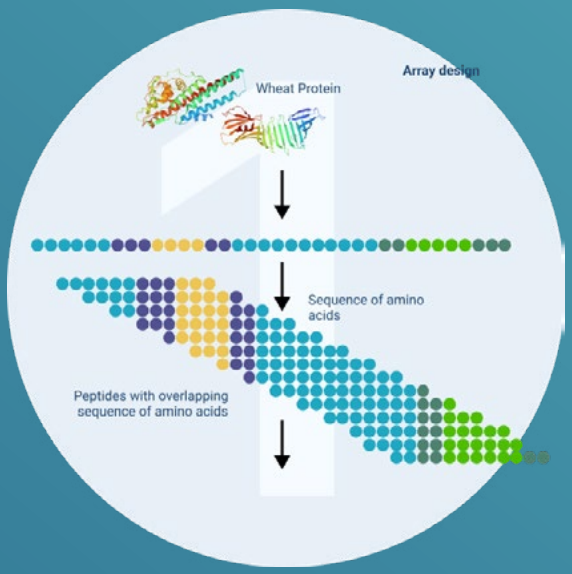
Benefits of Peptide-Level Food Sensitivity Testing

Scan the QR code to the right to discover the differences between peptide and whole protein food sensitivity testing.

Tests Featuring This Methodology:

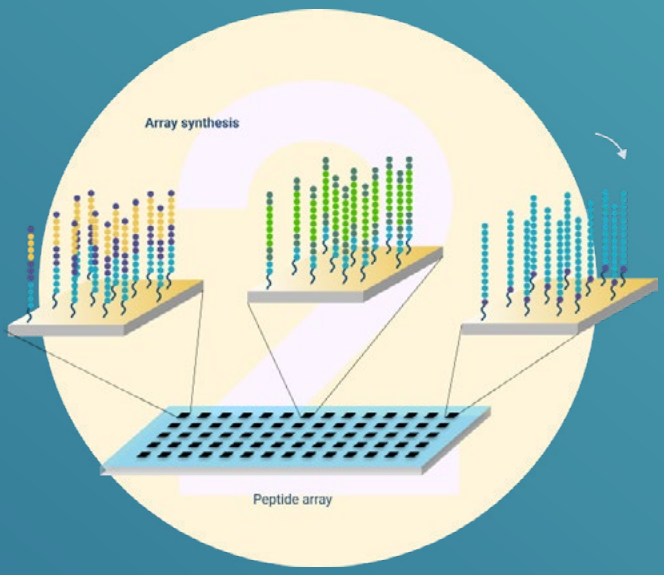
- ✓ Corn Zoomer
- ✓ Dairy Zoomer
- ✓ Egg Zoomer
- ✓ Grain Zoomer
- ✓ Lectin Zoomer
- ✓ Nut Zoomer
- ✓ Peanut Zoomer
- ✓ Soy Zoomer
- ✓ Viral Infections
- ✓ Wheat Zoomer

Food Zoomers



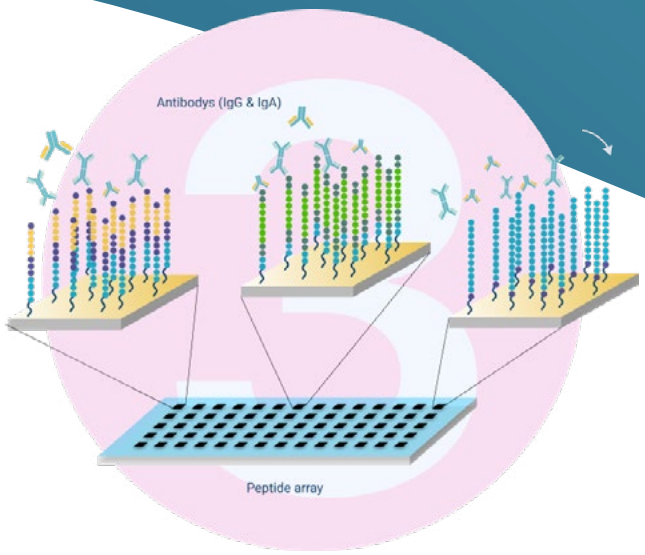
1

In-silico breakdown of food proteins to thousands of peptides.



2

Synthesize multiple peptides on chips to create an array of food peptides.

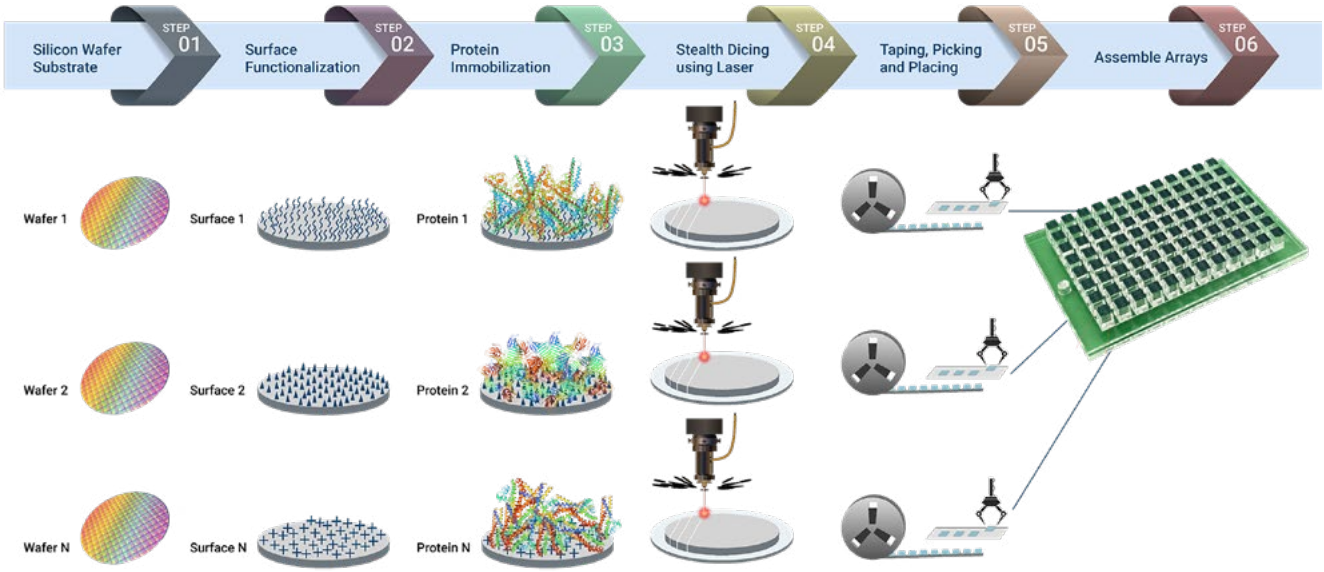


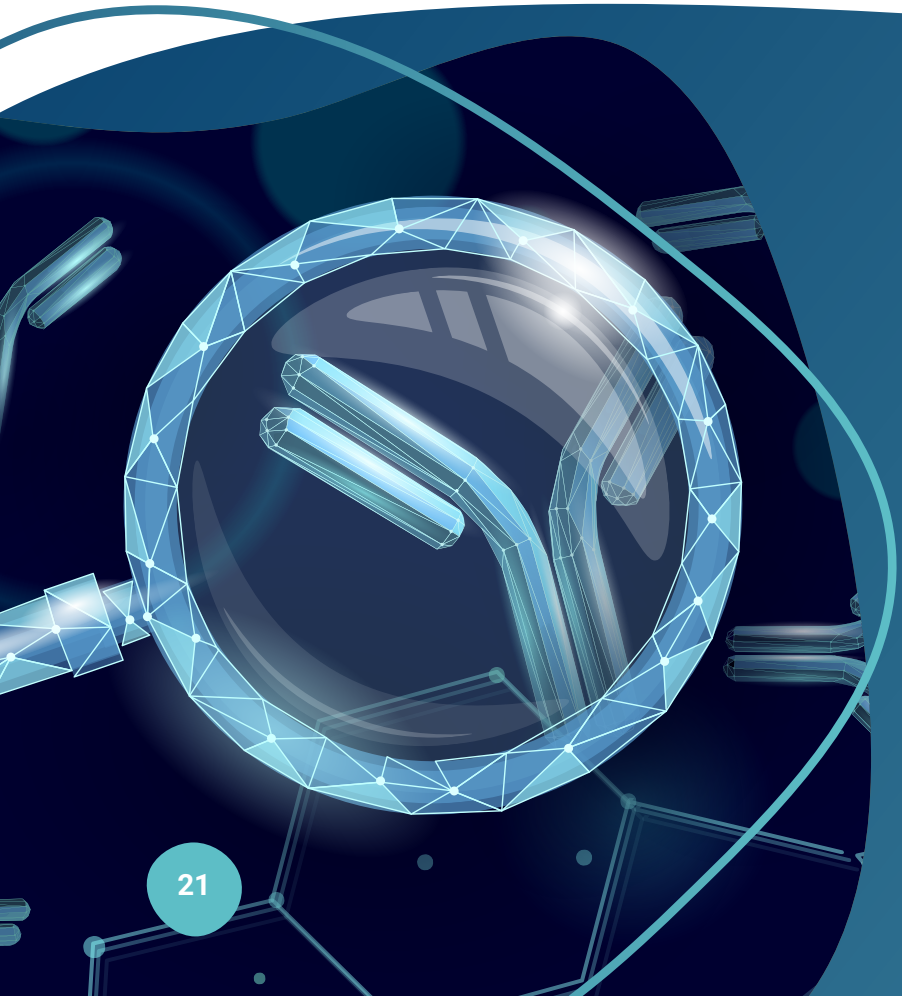
3

Sample of patients with antibody reactivity to food peptides.

Protein Arrays

- ✓ High density protein chips per well.
- ✓ Increased sensitivity with multiplex detection.
- ✓ New proteins can be added easily.





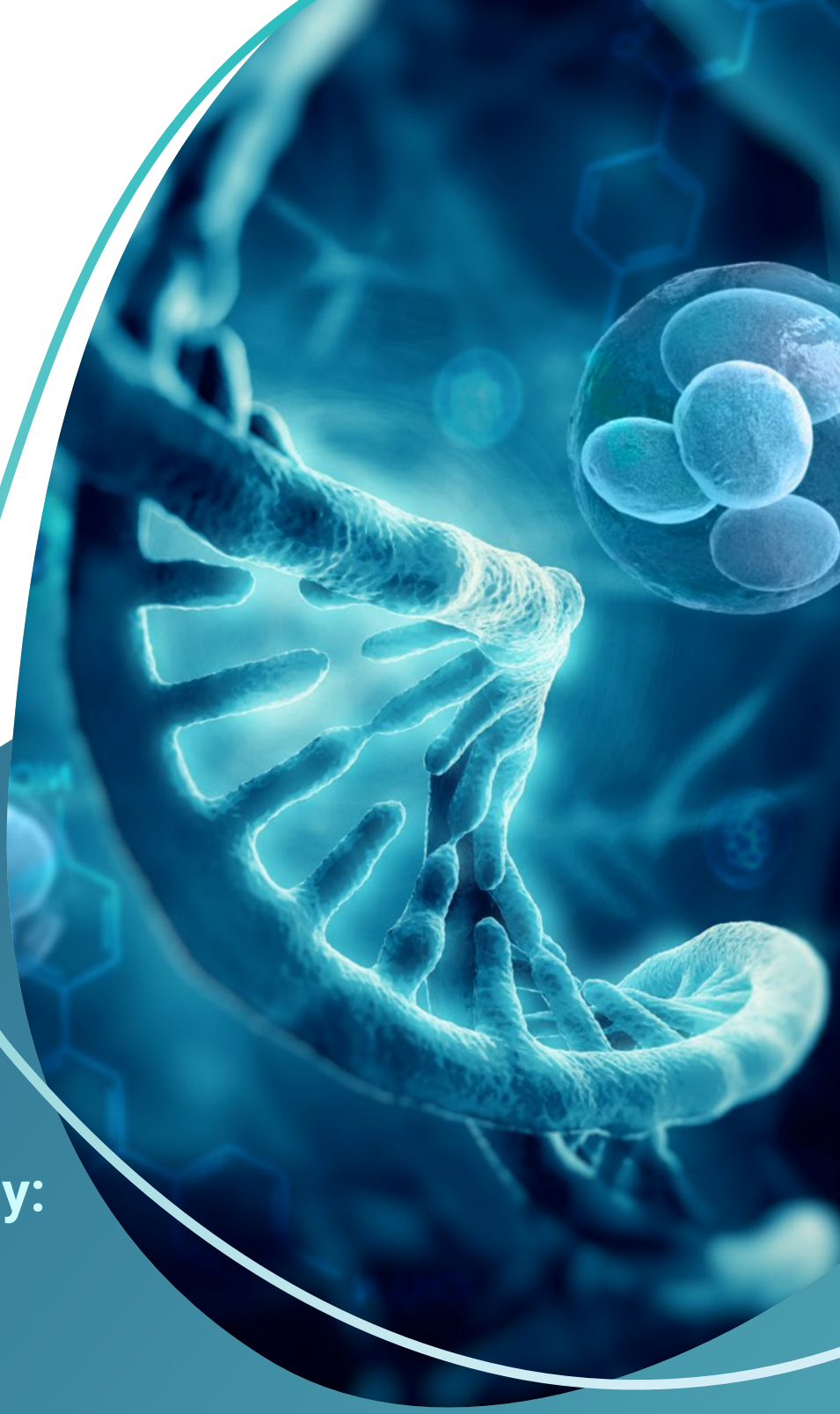
Tests Featuring This Methodology:

- ✓ Autoimmune
- ✓ Candida + IBS Profile
- ✓ Food Allergy Panel
- ✓ Food Sensitivity Complete
- ✓ Food Sensitivity Profile 1
- ✓ Food Sensitivity Profile 2
- ✓ Neural Zoomer/Neural Zoomer Plus
- ✓ Tickborne Diseases

VibrantWellness

Genetics/ RT-PCR

SNPs are measured using the Real Time-PCR (RT-PCR) technology platform. With 100% precision and 100% accuracy, RT-PCR provides highly accurate and reproducible results.



Tests Featuring This Methodology:

- ✓ ApoE
- ✓ CardiaX
- ✓ Gut Zoomer: Pathogens and Commensal
- ✓ MTHFR
- ✓ Nutripro-Genetics
- ✓ Toxin Genetics
- ✓ Oxidative Stress Profile

3Dense Technology

1 Density of chips per wafer

- ✓ Provides scalability resulting in significant cost savings while improving quality
- ✓ Contains built-in quality controls and performs testing in triplicates

Our microarray chips are manufactured on semiconductor wafers measuring 200mm^2. This allows us to bulk manufacture thousands of identical chips per wafer, creating the ability to scale to volume at a very low cost. By repurposing many of the techniques used by computer chip manufacturers, we can mimic the advantages seen in the computer industry: significantly improved quality and performance, while consistently driving down cost.

2 Density of testing sites per chip

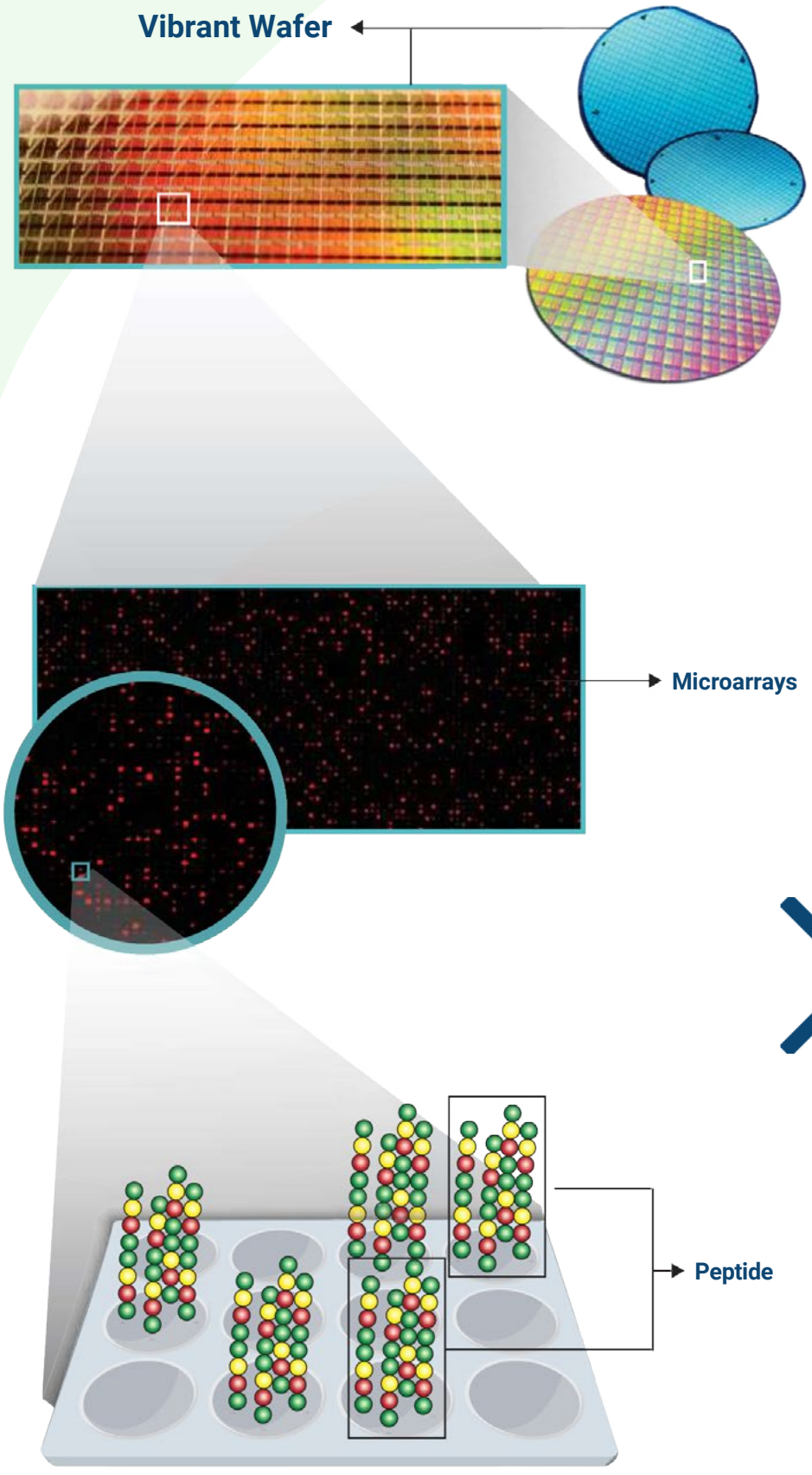
- ✓ Allows advanced multiplexing opportunities
- ✓ Handles small sample sizes
- ✓ Improved clinical sensitivity and specificity

Our unique lithography-based peptide synthesis approach enables us to synthesize high-fidelity multiple peptides simultaneously, giving us tremendous multiplexing capabilities. We have synthesized over 66,000 peptides on a 2mm^2 chip. The additional real estate on our peptide chips affords us the luxury of performing our peptide analysis in triplicate, further improving the accuracy of our results. In many cases, multiple peptide sites may assist in improving clinical sensitivity and specificity.

3 Density of molecules per site

- ✓ Improves analytical sensitivity and specificity
- ✓ High-fidelity ensures antigen purity

Packing molecules within a site is vital to achieving high concentrations at a substrate level. More molecules on a testing spot are directly proportional to the binding affinities and thus correlate to analytical sensitivity and specificity. Simply put, higher density molecule density means improved test performance. We can achieve high-density molecule concentration by using proprietary high-density substrates on which we synthesize our bio-molecules. Improved analytical sensitivity and specificity are critical to detecting sub-100 picogram quantities of proteins from the blood.


Vibrant Wafer
Microarrays
Peptide

Our Online Platforms Make Testing Easy for You & Your Patients

— Order Lab Tests Effortlessly Using Our Provider Portal —

Save Time

Order lab tests within minutes using our Provider Portal

Status Tracking

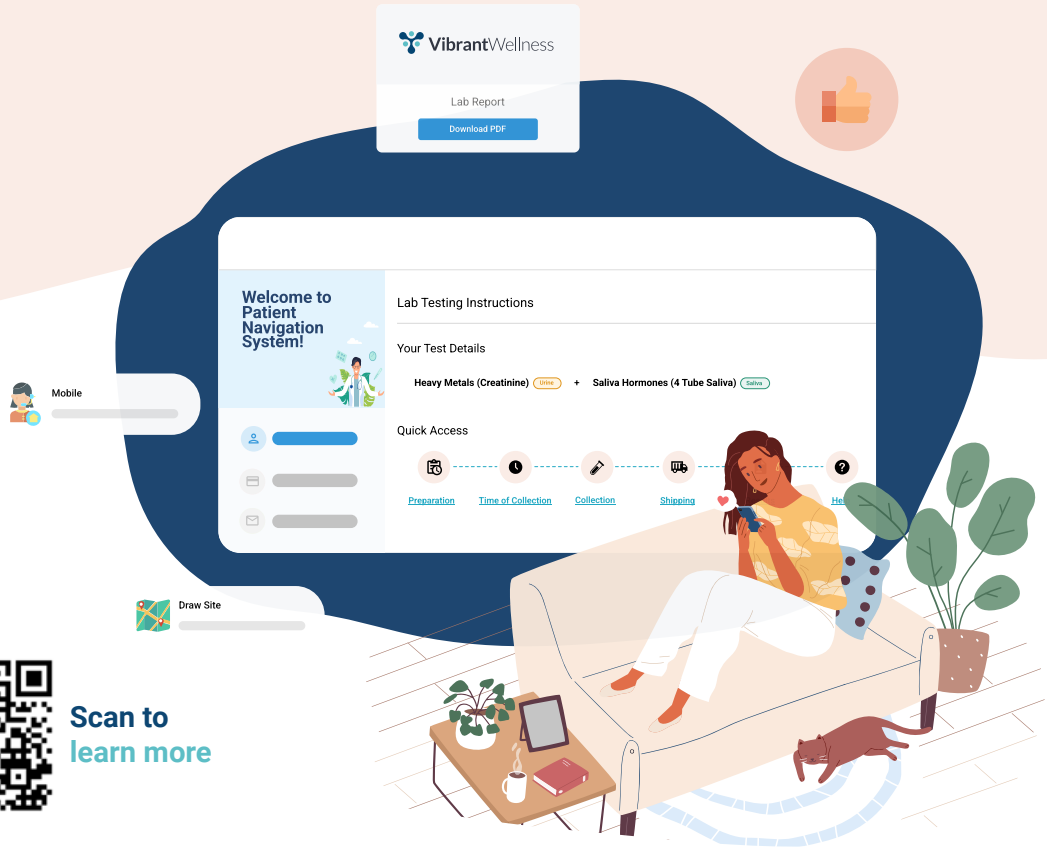
Track your patient labs in real-time through status tracking for test orders

Interactive Reports

Receive intuitive and interactive lab reports for each test

Automatic Discounts

Automatically receive the best pricing for all test combinations and bundles



Scan to learn more

— Complete Lab Solutions Through our Patient Navigation System —

Real Time Status

Track your test order in real-time through the Patient Navigation System

Collection Instruction Videos

Find easy-to-follow instructional videos for proper sample collection

Easy Blood Draw Scheduling

Connect to local phlebotomists to simplify the blood draw process using our interactive blood draw map

Research & Publications

With more than 400 clinical researchers and scientists testing everyday, science and technology is at the core of what we do. We're excited to share and validate our work with the peers in the industry.

Visit our website at www.vibrant-wellness.com/ScienceAndResearch or scan the QR code to access our published resources.

Featured Articles

nature

An ultra-high-density protein microarray for high throughput single-tier serological detection of Lyme disease

Read More

BMC

Evaluation of the Vibrant DNA microarray for the high-throughput multiplex detection of enteric pathogens in clinical samples

Read More

Scientific Research
An Academic Publisher

A multiplex autoantibody panel for early detection of autoimmune disease activity

Read More

NIH National Library of Medicine

Preliminary study on the association of serum branched-chain amino acids with lipid and hepatic markers

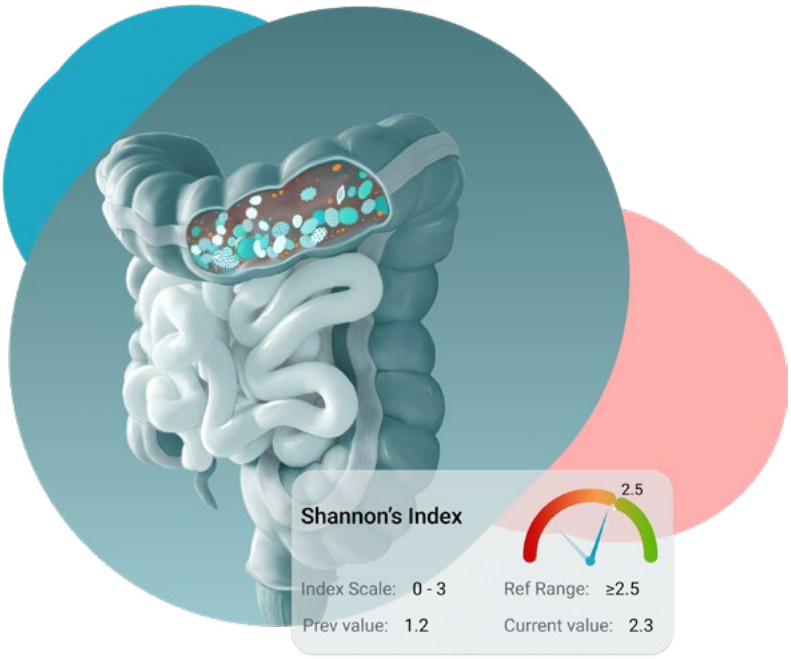
Read More

TEST CATALOG

Test for Gut Health

The gut microbiome plays a critical role in digestion, metabolism, energy, detoxification, structural integrity of the gut mucosal barrier, healthy skin and protection from infections.[1,2]

The Gut Zoomer test assesses a wide range of gut micro-organisms, gut metabolites, and relevant digestive and inflammatory markers which will give insights into gut health.



Test Name & Sample Type(s)	Description	Resources	QR
Gut Zoomer Stool At-Home	The Gut Zoomer is a stool test that measures over 170 species of bacteria and gut pathogens along with markers of inflammation, digestion, and gut metabolites which uses microarray, RT-PCR, sandwich ELISA, LC-MS, and GC-MS technologies for detecting the markers within the whole assay. It provides a comprehensive gut overview, including insight on common gut imbalances such as loss of beneficial organisms, excessive growth of potentially harmful organisms, and loss of overall microbial diversity.	Key Clinical Messages Sample Report Interpretive Guide Food Plan	

References:

1. Jandhyala, S. M., Talukdar, R., Subramanyam, C., Vuyyuru, H., Sasikala, M., & Nageshwar Reddy, D. (2015). Role of the normal gut microbiota. World journal of gastroenterology, 21(29), 8787–8803.
2. Durack, J., & Lynch, S. V. (2019). The gut microbiome: Relationships with disease and opportunities for therapy. The Journal of experimental medicine, 216(1), 20–40.

What Markers Are Included on the Gut Zoomer?

The Gut Zoomer includes three sections: gut commensal microbes, gut digestive markers, and gut pathogens. It also highlights low levels of probiotic organisms to guide personalized probiotic recommendations.

Gut Commensal Microbes

- Proteobacteria (e.g., *Enterobacteriaceae, Escherichia coli, Proteus mirabilis*)
- Actinobacteria (e.g., *Bifidobacterium, Micrococcus, Eggerthella lenta*)
- Firmicutes (e.g., *Clostridum, Streptococcus, Staphylococcus, Feacalibacterium, Roseburia*)
- Bacteroidetes (e.g., *Prevotella copri, Bacteroides vulgatus, Prophyromous gingivalis*)
- Verrucomicrobia (e.g., *Akkermansia muciniphila*)
- Euryarchaeota (e.g., *Methanobrevibacter smithii*)

Gut Digestive

- **Markers of Inflammation**
  - Calprotectin
  - Fecal lactoferrin
  - Beta defensin
  - Fecal eosinophil protein X
- **Markers of Digestive Insufficiency and Malabsorption**
  - Pancreatic elastase-1
- **Gut Metabolites**
  - Bile acids
  - Short-chain fatty acids
- **Other Markers**
  - Secretory IgA
  - Fecal occult blood
  - pH
  - Beta-glucuronidase
  - Fecal zonulin
  - Fecal anti-gliadin

Gut Pathogens

- 22 Bacteria
- 13 Protozoans
- 15 Helminths
- 11 Viruses
- 5 Fungi
- 6 Antibiotic Resistance Genes

Tests for Food Reactions

Uncover sensitivity, allergens, and autoimmunity to specific antigens in common foods like wheat, nuts, dairy, and lectins with our food reactions.

Test Name & Sample Type(s)	Description	Resources	QR
Food Sensitivity Complete Blood DBS At-Home	The Food Sensitivity Tests provide an in depth look at an individual's immune reaction to up to 209 different foods using raw, organic, water-soluble antigens at the whole protein-level. Using raw antigens helps control for differences in various cooking methods and is more reproducible than cooked antigens.	Key Clinical Messages Sample Report	
Food Sensitivity Profile 1 Blood DBS At-Home	The Food Sensitivity Profile 1 assesses sensitivity to 96 common foods in the Western diet. Sensitivity to certain foods can develop from a variety of health conditions and result in a vicious cycle of inflammation and food triggers.	Key Clinical Messages Sample Report	
Food Sensitivity Profile 2 Blood DBS At-Home	The Food Sensitivity Profile 2 assesses sensitivity to 84 common foods in the Western diet. Sensitivity to certain foods can develop from various health conditions and result in a vicious cycle of inflammation and food triggers.	Key Clinical Messages Sample Report	
Food Additives Blood DBS At-Home	The Food Additives Test is a blood test that detects sensitivities to 56 different food additives. It assesses different immune responses to common food additives to determine an individual's risk for negative reactions.	Key Clinical Messages Sample Report	

Category	Food Sensitivity Profile 1		Food Sensitivity Profile 2		Additional Foods Added to Food Sensitivity Complete	
Dairy	Beta-Casein Casomorphin Cow's Milk	Goat's Milk Whey Protein	Buffalo milk Buttermilk Cheese, cheddar	Kefir Sheep's milk Yoghurt		
Fish	Catfish Codfish Halibut Salmon	Lake Trout Mackerel Perch Tuna	Alaska pollock Anchovy Carp Eel	Flounder Sardine Sea bass Sole		
Meat	Beef Chicken Egg white Egg yolk	Lamb Pork Turkey	Duck meat Goose meat Grapevine snail	Rabbit Veal		
Shellfish	Crab Lobster	Shrimp	Crayfish			
Mollusks	Clam Oyster	Scallops	Blue mussel Octopus	Pacific squid Squid		
Legumes	Kidney Bean Navy Bean	Peanuts Soybean	Chickpea Broad bean	Mung beans	Black Beans Black-eye Peas	Lentil Pinto Bean
Spices	Black Pepper Cinnamon	Nutmeg	Cayenne pepper Common thyme Curry powder Hot paprika powder Woo-hsiang powder	Anise Bay leaf Caraway Dill Oregano Parsley	Cumin Cilantro Turmeric	Habanero pepper Jalapeno pepper
Gluten-containing Grains	Barley Malt Oats	Rye Wheat	Spelt	Cous cous		
Gluten-free Grains/Starches	Amaranth Brown Rice	Buckwheat Corn	Millet		Cassava Tapioca Tiger nut	Taro Root Arrowroot
Misc	Cocoa Coffee Hops	Rosemary Vanilla Bean Yeast	Black tea Cane sugar Lemon grass	Molasses Oolong tea	Agave Espresso	Green Tea
Nuts	Almond Black Walnut Cashews	English Walnut Pecan	Pistachio nut Sweet chestnut	Hazelnut Pine nut	Brazilnut Macadamia Nut	
Night-shades	Green Pepper	White Potato	Eggplant			
Seeds	Mustard	Sesame	Coriander seed Sunflower seed Poppy seed	Flaxseed Rape seed	Chia Hemp	
Fruits	Apple Apricot Avocado Banana Blackberry Blueberry Cantaloupe Cherry Coconut Cranberry Grape	Grapefruit Lemon Olive Orange Peach Pear Pineapple Raspberry Strawberry Tomato Watermelon	Fig Guava Honeydew melon Kiwi fruit Litchi	Mandarin Mango Plum Capers Papaya		
Vegetables	Broccoli Cabbage Carrot Cauliflower Celery Cucumber Garlic Green Bean Green Peas	Lettuce Lima Bean Mushrooms Onion Seaweed (Kelp) Spinach Squash Ginger Sweet Potato	Asparagus Bamboo shoots Beet root Endive Leek Roquette Savoy cabbage Shiitake mushroom	Turnip Vine leaf White radish Artichoke Chard Kale Zucchini	Acorn Squash Butternut Squash Green onion/ Scallions Parsnip Portabella Mushroom Purple Potato Shallots Spaghetti Squash	
Vegan Foods			Tofu Vegan Cheese	Tempeh		

Test Name & Sample Type(s)	Description	Resources	QR
Corn Zoomer Blood DBS At-Home	The Corn Zoomer test assesses sensitivity and potential allergies to corn by identifying IgG, IgA, and IgE antibodies, using a semiquantitative assay and multiplexed chemiluminescence immunoassay methodology. It provides highly specific recognition of both conventional and GMO corn antigens at the peptide and protein levels.	Sample Report	
Dairy Zoomer Blood DBS At-Home	The Dairy Zoomer test assesses sensitivity and potential allergies to dairy by identifying IgG, IgA, and IgE antibodies through a semiquantitative assay and multiplexed chemiluminescence immunoassay methodology. It ensures highly specific recognition of dairy antigens at both peptide and protein levels.	Sample Report	
Egg Zoomer Blood DBS At-Home	The Egg Zoomer test utilizes a peptide-based microarray technique to simultaneously detect antibodies against all major antigens in egg whites and yolks, measuring sensitivity to both raw and cooked eggs while eliminating false positives due to cross-reactivity.	Sample Report	
Food Allergy Panel Blood	The Food Allergy Panel uses high-density microarrays to assess IgE-mediated immune responses to 12 of the most common food allergens. Each sample is tested using a silicon-based biochip and chemiluminescent detection to ensure high sensitivity and reproducibility.	Key Clinical Messages Sample Report Interpretive Guide	
Grain Zoomer Blood DBS At-Home	The Grain Zoomer uses a semiquantitative assay and multiplexed chemiluminescence immunoassay (CLIA) methodology to detect IgG and IgA antibodies against commonly consumed grain antigens, ensuring specific antibody-to-antigen recognition at both peptide and protein levels.	Sample Report	
Lectin Zoomer Blood DBS At-Home	The Lectin Zoomer employs a semiquantitative assay and multiplexed chemiluminescence immunoassay methodology to detect IgG and IgA antibodies against commonly consumed food lectin and aquaporin antigens. This panel is specifically designed to assess sensitivity to these antigens at both the peptide and protein levels, ensuring precise antibody-to-antigen recognition.	Sample Report	

Test Name & Sample Type(s)	Description	Resources	QR
Nut Zoomer Blood DBS At-Home	The Nut Zoomer assesses sensitivity to nut antigens by detecting IgG and IgA antibodies, using a semiquantitative assay and multiplexed chemiluminescence immunoassay methodology. This test ensures specific antibody-to-antigen recognition at both peptide and protein levels.	Key Clinical Messages Sample Report	
Peanut Zoomer Blood DBS At-Home	The Peanut Zoomer assesses sensitivity and allergies to peanuts by detecting IgG, IgA, and IgE antibodies using a semiquantitative assay and multiplexed chemiluminescence immunoassay methodology. This test offers precise antibody-to-antigen recognition for peanut antigens at both peptide and protein	Key Clinical Messages Sample Report	
Soy Zoomer Blood DBS At-Home	The Soy Zoomer assesses sensitivity and allergies to soy by detecting IgG, IgA, and IgE antibodies using a semiquantitative assay and multiplexed chemiluminescence immunoassay methodology. It offers specific antibody-to-antigen recognition for soy antigens at both peptide and protein levels.	Sample Report	
Wheat Zoomer Blood DBS At-Home	The Wheat Zoomer employs a microarray platform and multiplexed chemiluminescence immunoassay to precisely detect IgG, IgA, IgM, and IgE antibodies against wheat antigens, facilitating wheat sensitivity and celiac disease diagnosis with high specificity and sensitivity.	Key Clinical Messages Sample Report Interpretive Guide	

What are Food Zoomer tests?

Vibrant's Food Zoomers are blood tests that use IgA and IgG antibodies to measure immune system reactivity to small, 2-dimensional peptides formed when whole proteins are broken down by digestion. In contrast, the Food Sensitivity Test measures immune system reactivity to whole, undigested, multi-dimensional proteins using IgA and IgG antibodies.

Food Zoomers:
Key Clinical Messages

Tests for Nutrients

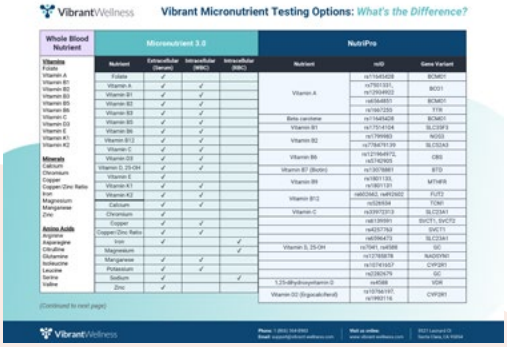
Nutrients such as vitamins, minerals, amino acids, and fatty acids play vital roles in energy production, hemoglobin synthesis, maintenance of bone health, immune regulation, and protection against oxidative stress.[1] As nutrients play such important roles in biological functions, a proper balance is crucial. A marginal lack of a particular nutrient could prove detrimental to the body and could lead to health conditions.[1]

Test Name & Sample Type(s)	Description	Resources	QR
Micronutrient Panel Blood	The Micronutrients Panel employs tandem mass spectrometry (LC-MS/MS) to quantitatively assess both intracellular (RBC & WBC) and extracellular (serum) micronutrients, providing a comprehensive and accurate measurement of nutritional status, including vitamins, minerals, amino acids, and essential fatty acids.	Key Clinical Messages Sample Report Interpretive Guide	
NutriPro Blood	The NutriPro Panel is a nutrigenetic test that measures genetic predispositions that may be impacting nutrient status. Micronutrients are measured using Liquid Chromatography-Mass Spectrometry and Inductively Coupled Plasma Mass Spectrometry (LC-MS/MS and ICP-MS).	Key Clinical Messages Sample Report Interpretive Guide	

References:

1. Biesalski, Hans & Tinz, Jana. (2018). Micronutrients in the life cycle: Requirements and sufficient supply. NFS Journal, 11.

Test Name & Sample Type(s)	Description	Resources	QR
Whole Blood Nutrient Profile Blood At-Home	The Whole Blood Nutrient Profile test uses tandem mass spectrometry (LC-MS/MS) and inductively coupled plasma mass spectrometry (ICP-MS) to assess both intra- and extracellular micronutrient status by measuring direct levels of short-term micronutrients—including vitamins, minerals, co-factors, amino acids, metabolites, antioxidants, and essential fatty acids—and the levels of these nutrients in circulating white and red blood cells.	Key Clinical Messages Sample Report Interpretive Guide	



Watch The Webinar:

Digging Deep: Micronutrient Testing Pearls for Athletes

Download the Vibrant Micronutrient Testing Options Guide

Tests for Toxins

Humans are exposed to a wide array of toxins from the environment and common household products. Environmental toxins or toxicants are man-made or naturally occurring substances that can cause acute or chronic toxic overload when absorbed, inhaled, or ingested. For example, heavy metals, pesticides, petroleum by-products, and other chemicals. High exposure to toxins can have detrimental effects as can affect multiple body systems.[1]

Test Name & Sample Type(s)	Description	Resources	QR
Environmental Toxins Urine At-Home	The Environmental Toxins Panel uses tandem mass spectrometry (LC-MS/MS) to measures levels of environmental toxins in urine, providing a detailed profile of exposure to pesticides, phthalates, parabens, acrylic, alkyl phenols, and volatile organic compounds.	Key Clinical Messages Sample Report Interpretive Guide	
Heavy Metals Blood Urine At-Home	The Heavy Metals test can be ordered via blood or urine. Either sample type measures levels of 20 heavy metals excreted in the blood or urine, respectively.	Key Clinical Messages Sample Report Interpretive Guide	

References:

1. Yang, Y., Wei, S., Zhang, B., & Li, W. (2021). Recent progress in environmental toxins-induced cardiotoxicity and protective potential of natural products. Frontiers in Pharmacology, 12, 699193.

Test Name & Sample Type(s)	Description	Resources	QR
Mycotoxins Urine At-Home	The Mycotoxins Test detects and quantifies 29 mycotoxins, toxic compounds produced by molds commonly found in food, air, and water-damaged environments. By measuring urinary excretion levels, the test identifies exposure to aflatoxins, trichothecenes, ochratoxins, and other harmful mycotoxins.	Key Clinical Messages Sample Report Interpretive Guide	
Organic Acids Urine At-Home	The Organic Acids test uses gas chromatography tandem mass spectrometry (GC-MS/MS) and additional tandem mass spectrometry (LC-MS/MS) to quantitatively measure a wide range of organic acids in urine. This comprehensive panel assesses various metabolic functions, including intestinal microbial balance, detoxification capacity, neurotransmitter metabolism, and more, providing detailed insights into metabolic and nutritional status.	Key Clinical Messages Sample Report Interpretive Guide	
PFAS Chemicals Test Urine At-Home	The PFAS Chemicals Test employs liquid chromatography with tandem mass spectrometry (LC-MS/MS) technology to detect 21 per- and polyfluoroalkyl substances (PFAS), commonly known as “forever chemicals,” in urine. This method offers unparalleled sensitivity and specificity by normalizing analyte levels to urine creatinine for accurate and reproducible results.	Key Clinical Messages Sample Report Interpretive Guide	
Total Tox Burden Urine At-Home	Vibrant’s Total Tox Burden is a urine that assesses the total toxic burden in the body by measuring mycotoxin, heavy metal, and environmental chemical excretion in the urine. This bundle includes three different tests to assess the overall impact of toxic exposure, measuring 29 different mycotoxins, 20 heavy metals and 39 environmental chemical markers.	Key Clinical Messages Sample Report	
Toxin Genetics Blood Saliva At-Home	The Toxin Genetics test provides valuable information about genetic variations in genes that code for detox enzymes that can significantly impact the body’s ability to detoxify harmful substances effectively. These genetic differences, known as single nucleotide polymorphisms (SNPs), can lead to both slow and rapid detoxification processes, each of which comes with its own set of potential health risks.	Key Clinical Messages Sample Report Interpretive Guide	

Detoxification Resources

Food Plan

Nutraceutical Guide

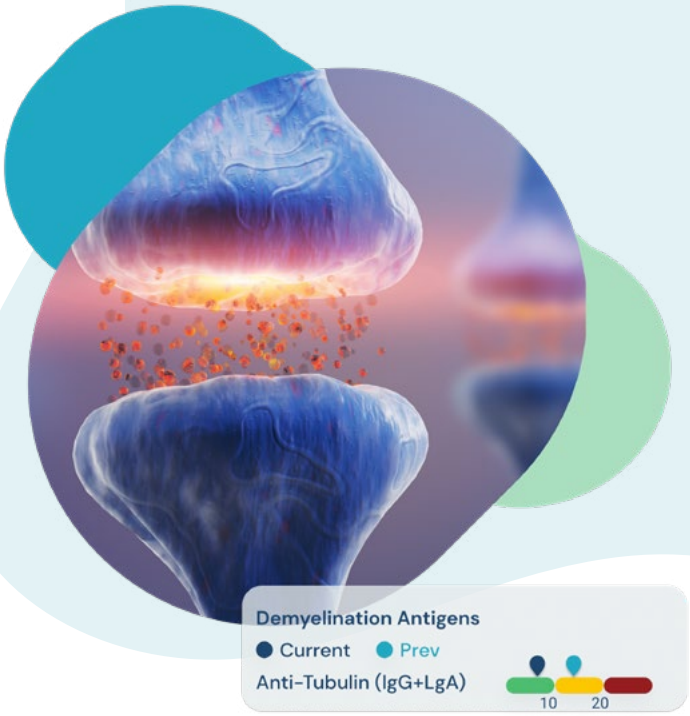
Environmental Toxins Report Walkthrough

PFAS Chemicals Test Webinar

Tests for Neural Health

The nervous system is responsible for controlling and coordinating bodily functions such as movement, sensation, cognition, and emotion, meaning that any damage or dysfunction to the nervous system can significantly impact a person's health and daily activities.

Neural health testing enables early detection of potential neural health issues, monitoring over time, and personalized interventions, making it essential for maintaining good neural health.



Test Name & Sample Type(s)	Description	Resources	QR
Neural Zoomer Blood	Assess an individual's reactivity to neurological antigens, which may have connections to a variety of neurologically related diseases.	Key Clinical Messages Sample Report	
Neural Zoomer Plus Blood DBS At-Home	The Neural Zoomer Plus analyzes an array of neurological protein antigens associated with neural tissues, receptors, and cells, as well as various viral and bacterial antigens linked to nervous system infections. The test measures the immune system's antibody response to these antigens, which can lead to brain damage and contribute to neurological inflammation, infection, and autoimmune disorders.	Key Clinical Messages Sample Report Interpretive Guide	
Neuro-transmitters Urine At-Home	The Neurotransmitter Test is a urine-based test that measures individual neurotransmitter levels. The neurotransmitter test includes 30 different markers, four neurotransmitter ratios, and three diurnal rhythms, which include amino acids, intermediates along the neurotransmitter pathways, neurotransmitter levels, and metabolites of neurotransmitters.	Key Clinical Messages Sample Report Interpretive Guide	

Comparison of Neurological Wellness Tests

Neural Zoomer IgG + IgA, IgM (Blood)	Neural Zoomer Plus IgG + IgA, IgM (Blood)		Neurotransmitters (Urine)
Anti-Tubulin	Anti-Tubulin	Anti-Muscle Specific Kinase	Serotonin
Anti-Myelin Basic Protein	Anti-Myelin Basic Protein	Anti-Voltage Gated Calcium Channels	Dopamine
Anti-S100B	Anti-Myelin Oligodendrocyte Glycoprotein (MOG)	Anti-Voltage Gated Potassium Channels Anti-Titin	Norepinephrine
Anti-Neuron Specific Enolase	Anti-Myelin Proteolipid Protein	Anti-GM1	Epinephrine
Anti-GM1	Anti-Neurofascin	Anti-GM2	Histamine
Anti-GM2	Anti-MAG	Anti-Hu	GABA
Anti-HSV1	Anti-S100B	Anti-Ri	Glycine
Anti-Cerebellum	Anti-Glial Fibrillary Acidic Protein	Anti-Amphiphysin	Glutamate
Anti-Purkinje Cell	Anti-Microglia	Anti-HSV-1	Metanephrine
Apolipoprotein E	Anti-Glucose Regulated Protein 78	Anti-HSV-2	Tryptamine
Add-On	Anti-Neuron Specific Enolase	Anti-EBV	Tyrosine
	Anti-Aquaporin 4	Anti-CMV	Tyramine
	Anti-Recoverin	Anti-HHV-6	Taurine
	Anti-CV2	Anti-HHV-7	Aspartate
	Anti-Purkinje cell	Anti-Streptococcal A	Serine
	Anti-Yo	Anti-NMDA Receptor	5-HTP
	Anti-Amyloid Beta (25-35)	Anti-AMPA Receptor	L-DOPA
	Anti-Amyloid Beta (1-42)	Anti-Dopamine Receptors	Tryptophan
	Anti-RAGE Peptide	Anti-GABA Receptors	Acetycholine
	Anti-Tau	Anti-Dipeptidyl Aminopeptidase-Like Protein 6	5-HIAA
	Anti-Glutamate	Anti-Glycine Receptor	PEA
	Anti-Dopamine	Anti-Neurexin 3	DOPAC
	Anti-Hydroxytryptamine	Anti-Contactin-Associated Protein-Like 2	HVA
	Anti-Alpha-Synuclein	Anti-Leucine-Rich Glioma-Inactivated Protein 1	Nometanephrine
	Anti-α1 and β2 Adrenergic Receptors	Anti-Ma	VMA
	Anti-Endothelin A Receptor		3-Methoxytyramine
	Anti-Acetylcholine Receptors		Oxytocin
			Xanthurenic Acid
			Melatonin
			Quinolinic Acid
			Kynurenic Acid
			HVA/VMA Ratio
			HVA/DOPAC Ratio
			Quinolinic/5-HIAA Ratio
			*Organic acids

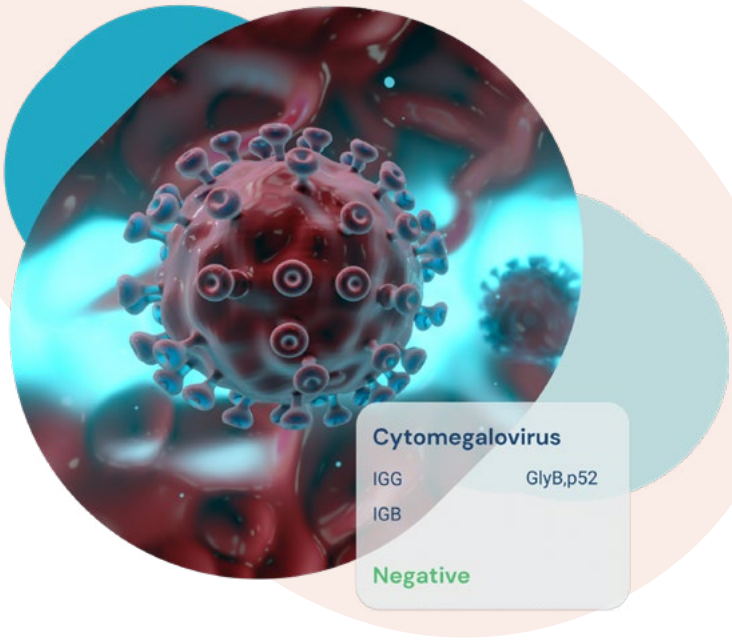
Neural Health Resources

Comparison of Neurological Wellness Tests

Brain on Fire Webinar

Tests for Infections

Infections can be contracted through environmental sources or human contact and can wreak havoc on multiple body systems. If not diagnosed, infections can cause chronic inflammation, disease development, and even neurological symptoms.



Test Name & Sample Type(s)	Description	Resources	QR
Candida + IBS Profile Blood DBS At-Home	The Candida + IBS Profile assesses the presence of Candida (fungal) overgrowth, antibody levels associated with Irritable Bowel Syndrome (IBS), and autoimmune-related alterations in intestinal motility. This test measures IgM and pooled IgG + IgA antibodies to 8 Candida species, 1 Saccharomyces species, and 1 Cladosporium species, and IgG antibodies to vinculin and CdtB.	Key Clinical Messages Sample Report Interpretive Guide	
Lyme Autoimmune Blood	The Lyme Autoimmune panel tests for antibodies against specific antigens related to Lyme disease that are known to trigger autoimmune conditions, focusing on arthritis, carditis, and neuroborreliosis. The test's unique approach combines the assessment of specific antigens and their interaction with the immune system, providing valuable insights into the pathogenesis and management of these complex conditions.	Key Clinical Messages Sample Report Interpretive Guide	
Tickborne Complete 1.0 Blood DBS At-Home	The Tickborne Diseases panel is a comprehensive blood test panel that evaluates for the presence of Lyme disease, tickborne relapsing fever, and tick-associated co-infections.	Key Clinical Messages Sample Report	

Test Name & Sample Type(s)	Description	Resources	QR
Tickborne Complete 2.0 Blood DBS At-Home	The Tickborne Diseases panel is a comprehensive blood test panel that evaluates for the presence of Lyme disease, tickborne relapsing fever, tick-associated co-infections, as well as viral and other opportunistic infections. **Direct and Indirect Testing:** Vibrant Tickborne Complete 2.0 includes both direct (PCR) and indirect (IgG and IgM) testing for the most comprehensive Lyme and co-infection detection.	Key Clinical Messages Sample Report	
UTI Zoomer Urine At-Home	The UTI Zoomer combines advanced pathogen detection and antibiotic resistance with detailed urinalysis to provide healthcare providers with an extensive urinary health evaluation and suggestions for management. This panel identifies a wide range of bacterial and fungal pathogens commonly associated with urinary tract infections (UTIs), which antibiotic resistance genes are present, and performs a comprehensive urinalysis to assess various aspects of urinary health. Supplement suggestions for addressing urobiome dysbiosis are also provided. This integrated approach provides a holistic view of the patient's urinary system, aiding in accurate evaluation and effective management planning.	Key Clinical Messages Sample Report Interpretive Guide	
Viral Infections Blood DBS At-Home	The Viral Infections Panel is a blood test that detects IgG, IgA, and IgM antibodies to six viruses and one bacterium that can be ordered as a blood draw or at-home dried blood spot test. The Virus Infection Panel assesses antibody responses to infections that are commonly associated with numerous health conditions. Vibrant uses a peptide microarray microchip technology. Peptides are synthesized on silicon wafers to detect antibody-antigen binding at the epitope level.	Key Clinical Messages Sample Report	

Additional Resources

Vibrant Infections Testing Options

At-a-Glance Vibrant Tickborne Test Algorithm

Advances in Technology of Tickborne Testing

Accurate & Comprehensive Tickborne Testing

All Vibrant Tickborne testing is performed on our proprietary microarray platform.

Lyme *Plus* TBRF	Coinfections 1	Coinfections 2	Opportunistic Infections
IgG & IgM	IgG & IgM	IgG & IgM	IgG & IgM
Borrelia burgdorferi VlsE1 *Borrelia burgdorferi* C6 peptide *Borrelia burgdorferi* p18 (DbpB) *Borrelia burgdorferi* p23-25 (OspC) *Borrelia burgdorferi* p28 *Borrelia burgdorferi* p30 *Borrelia burgdorferi* p31 (OspA) *Borrelia burgdorferi* p34 (OspB) *Borrelia burgdorferi* p39 (BmpA) *Borrelia burgdorferi* p41 *Borrelia burgdorferi* p45 *Borrelia burgdorferi* p58 *Borrelia burgdorferi* p66 *Borrelia burgdorferi* p83-93 *Borrelia burgdoferi* B31 WCS *Borrelia burgdoferi* 297 WCS *Borrelia mayonii* *Borrelia afzelii* BmpA *Borrelia afzelii* DbpA *Borrelia afzelii* OspA *Borrelia afzelii* OspC *Borrelia afzelii* p100 *Borrelia garinii* DbpA *Borrelia garinii* OspC *Borrelia bavariensis* DbpA *Borrelia bavariensis* p58 *Borrelia bavariensis* VlsE1 *Borrelia spielmanii* DbpA *Borrelia spielmanii* OspC *Borrelia hermsii* *Borrelia turicatae* *Borrelia miyamotoi* *Borrelia andersonii* *Borrelia maritima* *Borrelia californiensis* *Borrelia bissettiae* *Borrelia lusitaniae* *Borrelia valaisiana* *Borrelia yangtzensis* *Borrelia turcica*	*Babesia microti* IRA *Babesia microti* p32 *Babesia microti* p41 *Babesia microti* WCS *Babesia duncani* *Bartonella henselae* 17 kDa *Bartonella henselae* 26 kDa *Bartonella henselae* SucB *Bartonella elizabethae* *Bartonella vinsonii* *Bartonella quintana* *Anaplasma phagocytophilum* Msp5 *Anaplasma phagocytophilum* Msp2 (p44) *Anaplasma phagocytophilum* OmpA *Ehrlichia chaffeensis*	*Rickettsia typhi* OmpB *Rickettsia typhi* Surface antigen Powassan Virus Tickborne Encephalitis Virus West Nile Virus Chlamydophila pneumoniae Coxsackie Virus Mycoplasma pneumoniae	Cytomegalovirus EIA Antigen Cytomegalovirus GlyB Cytomegalovirus p150 Cytomegalovirus p28 Cytomegalovirus p52 Cytomegalovirus p65 Cytomegalovirus p38 Epstein-Barr Virus EA Antigen Epstein-Barr Virus EBNA1 Epstein-Barr Virus VCA gp125 Epstein-Barr Virus p18 Epstein-Barr Virus p23 Parvovirus B19 VLP VP2 Parvovirus B19 VLP VP1/Vp2 Co Capsid *Toxoplasma gondii* Crude Extract *Toxoplasma gondii* MIC3 *Toxoplasma gondii* p24 *Toxoplasma gondii* p29 *Toxoplasma gondii* p30 HSV-1 HSV-2 HHV-6 HHV-7 Streptococcal A
PCR	PCR	PCR	PCR
Borrelia andersonii *Borrelia maritima* *Borrelia californiensis* *Borrelia bissettiae* *Borrelia lusitaniae* *Borrelia valaisiana* *Borrelia yangtzensis* *Borrelia turcica* *Borrelia burgdorferi* *Borrelia mayonii* *Borrelia afzelii* *Borrelia garinii* *Borrelia bavariensis* *Borrelia spielmanii* *Borrelia hermsii* *Borrelia turicatae* *Borrelia lonestari* *Borrelia miyamoto*	*Babesia microti* *Babesia duncani* *Bartonella henselae* *Bartonella elizabethae* *Bartonella vinsonii* *Bartonella quintana* HGA Anaplasma phagocytophilum HME Ehrlichia chaffeensis	Rickettsia rickettsii Rickettsia typhi Powassan virus Tickborne Encephalitis Virus West Nile Virus Chlamydophila pneumoniae Coxsackie virus Mycoplasma pneumoniae	Parvovirus B19 *Toxoplasma gondii*

How Were the Tickborne Test Reference Ranges Established?

Reference ranges have been established in adults using a sample cohort comprising 300 samples for each antigen tested. The upper 97.5% percentile and upper 99% percentile were calculated for each analyte and set to 10 units and 20 units respectively.

Interpretations - Index values for all analytes are interpreted as follows:

Result	Index Value (units)
Negative	0 - 10
Borderline/Moderate	10.1 - 20
Positive	20.1 - 30

The Vibrant Tickborne Test Algorithm is a helpful resource to aid interpretation of Vibrant Tickborne test results for *Borrelia* infection.

Take a Deeper Dive Into Our Tickborne Testing Technology

nature

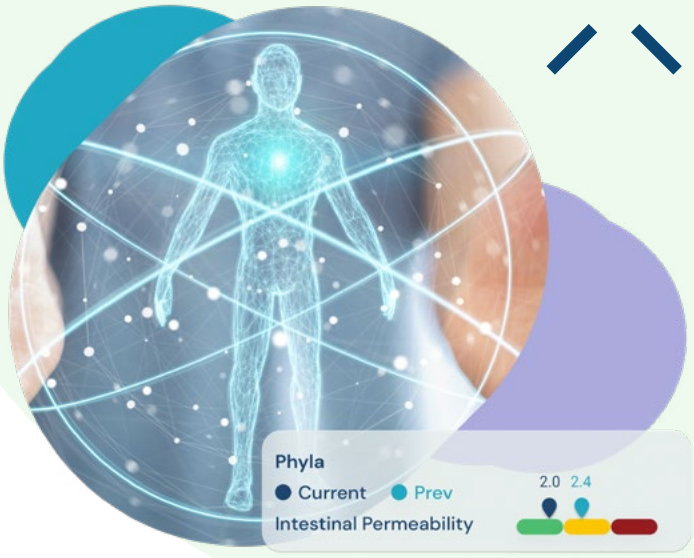
An ultra-high-density protein microarray for high throughput single-tier serological detection of Lyme disease

Read More

Watch The Webinar:

Advances in Technology of Tickborne Testing

Tests for Autoimmunity



Autoimmune diseases occur when the immune system attacks healthy cells and tissues, causing long-term damage to organs and tissues. Due to their non-specific symptoms, testing is crucial for detecting autoimmune diseases.[1]

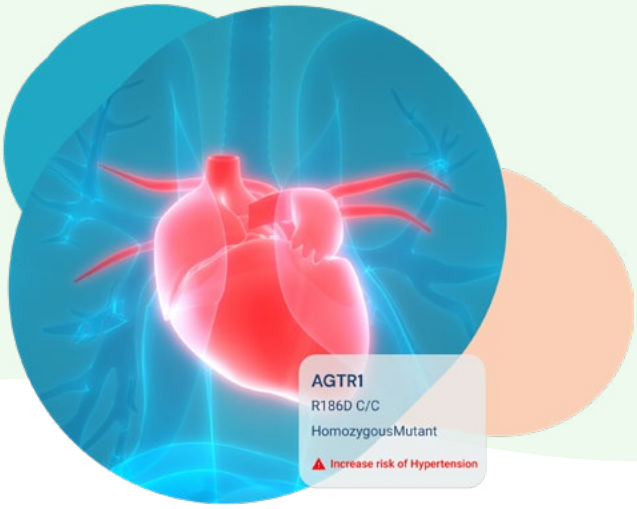
Early identification and treatment are essential in preventing long-term damage. Our autoimmune tests utilize ANA (anti-nuclear antibody), ENA (extractable nuclear antigen), and celiac panels to identify various autoantibodies associated with autoimmunity.[2]

Test Name & Sample Type(s)	Description	Resources	QR
Autoimmune Zoomer Blood	The Autoimmune Zoomer includes markers indicating systemic autoimmunity, thyroid conditions, rheumatoid arthritis, type 1 diabetes, and more for an integrated approach to managing autoimmune disorders. Using bio-chip immunofluorescence and ELISA technology, it provides simultaneous ANA IFA, ENA and additional marker testing, offering higher sensitivity and specificity than single ANA IFA tests.	Key Clinical Messages Sample Report	
Celiac Panel Blood	The Celiac Panels use real-time PCR to test for genetic markers associated with celiac diesase risk along with Electrochemiluminescence Immunoassay (ECLIA) to measure nutrient-specific markers and Immunofluorescence Assay to measure celiac antibodies.	Key Clinical Messages Sample Report Interpretive Guide	

References:

1. Kivity, S., Agmon-Levin, N., Blank, M., Shoenfeld, Y. (2009). Importance of early diagnosis of autoimmune diseases. Journal of Autoimmunity, 33(3-4), 197-198.
2. Yang, Y., Krishna, K., Ranganathan, V., Jayaraman, V., Wang, T., Bei, K., Krishnamurthy, H., & Rajasekaran, J. J. (2021). A Multiplex Autoantibody Panel for Early Detection of Autoimmune Disease Activity. Journal of Clinical Medicine, 10(6), 1236.

Tests for Cardiac Health



Cardiac health involves maintaining the well-being of the heart and blood vessels, which is crucial to prevent heart diseases such as atherosclerosis and hyperlipidemia. Regular testing can help identify problems sooner to enable critical adjustments to cardiovascular care.

Test Name & Sample Type(s)	Description	Resources	QR
Cardiac Health Panel Blood	The Cardiac Health Panel helps identify the root causes of inflammation driving heart disease progression to guide therapeutic lifestyle changes that help prevent chronic cardiovascular disease. The Cardiac Health Panel is a blood test that measures serum lipids, apolipoproteins, and markers of inflammation.	Key Clinical Messages Sample Report	
CardiaX Blood Saliva At-Home	The CardiaX test is a genetic test which detects and interprets 21 different genetic variants associated with increased predisposition to heart conditions, as well as metabolic responses to cardiac medications.	Key Clinical Messages Sample Report	
Methylation Panel Blood	The Methylation Panel measures relevant genetic variations that can affect methylation and key nutrients to determine the status of methylation in the body and if genetic abnormalities inhibit it. Our proprietary technology detects levels of homocysteine, folate, and vitamin B12 (key biomarkers involved in methylation) and single nucleotide polymorphisms (genetic variations that can affect methylation).	Key Clinical Messages Sample Report Interpretive Guide	

Additional Resources

Cardiac Health Food Plan

Using Cardio-Genetics as a Personalized Tool to Mitigate Cardiovascular Risk

Mastering the Methylation Panel

Tests for Hormones

Hormonal imbalance can affect metabolism resulting in weight gain, fatigue, slow heartbeat. It can also accelerate aging.

Test Name & Sample Type(s)	Description	Resources	QR
Hormone Zoomer Urine · At-Home	The Hormone Zoomer helps identify hormonal imbalances, toxin exposure, bone health risks, and oxidative stress that may be driving fatigue, mood swings, weight changes, fertility challenges, or poor metabolism. It measures key hormones like estrogen, testosterone, progesterone, and cortisol, revealing how imbalances impact energy, stress, and overall health. The test also detects toxic exposures from BPA and phthalates, which can disrupt hormone function and contribute to thyroid dysfunction, inflammation, and metabolic issues. With additional insights into bone turnover (DPD, PYD) and oxidative stress (8OHdG), this panel provides actionable steps to support detoxification, restore hormonal balance, and improve long-term wellness.	Key Clinical Messages Female Sample Report Male Sample Report	
Salivary Hormones Saliva · At-Home	The Saliva Hormone Test is a test panel of 18 hormone analytes which measure diurnal sex steroid and glucocorticoid hormone output. Saliva hormone testing is a measure of bioavailable hormone production rather than protein bound hormone production that is typically measured in serum.	Key Clinical Messages Sample Report Interpretive Guide	

Serum, Saliva, or Urine?

Quick Comparison Sheet

Serum, Saliva & Urine Quick Glance Hormone Test Comparison

Method	Baseline Hormones	Diurnal Cortisol/HPA Axis Curves	Hormone Metabolites	Oral/Pellet/ Patch HRT	Transdermal Progesterone	Sublingual HRT
Serum	✓			✓[a]		✓[c]
Saliva	✓	✓		✓[a]	✓	
Urine	✓	✓	✓	✓[a,b]		

[a] *Need to account for timing of testing in relation to oral HRT intake to assess dosing. Consider combining methodologies for the most comprehensive representation.*

[b] *Oral progesterone is not measured directly in urine testing, progesterone metabolites are measured.*

[c] *Need to account for timing of testing in relation to sublingual HRT.*

Serum Hormone Testing Strengths

- Defaults to measure total hormone, bound and unbound (although some free hormone tests can be obtained in serum)
- Can be used for baseline monitoring of hormones and comprehensive diagnostic work-ups
- Can collect for thyroid, SHBG and other tests in addition to sex steroids at the same collection
- Current standard of care to monitor oral HRT/pellet/patch

Salivary Hormone Testing Strengths

- Reflects free, bioavailable hormone rather than total, bound hormone
- More representative of tissue levels of topical hormones than serum or urine, best testing method to prevent overdosages of topical creams and gels
- Research-based efficacy for adrenal cortisol monitoring including diagnosis of Cushing's disease, also helpful for sub-optimal levels, hypocortisolemia and HPA axis dysregulation
- LC-MS/MS assay methodology is highly sensitive for even low levels of estradiol in saliva
- Pooled samples combine results from 4 points throughout the day rather than single time point collection

Urine Hormone Testing Strengths

- Measures hormone metabolites which reflect metabolism and clearance of hormones and related enzyme pathways
- Can accurately reflect baseline hormone levels (exception: Urinary T levels will be absent with genetic snp UGT2B17)
- Measures 8-OHDG and diurnal melatonin (via MT6s metabolite), BPA, HPA axis dysregulation
- Can assess for risks specifically associated with estrogen metabolites, i.e., 2-OH-E2 vs 4-OH-E2 pathways
- Metabolites for cortisol and cortisone can shed light on cortisol/cortisone dynamics in tissues

Learn More

Download the full comparison guide

Tests to Support Longevity

Research shows oxidative stress speeds up aging and triggers diseases like heart issues, neurodegeneration, diabetes, and inflammation. This stress damages DNA, messes with proteins, and disrupts cell signals.

Our longevity support tests measure genetic variations and key markers of oxidative damage, cardiac health, inflammation, autoimmunity, nutrient status, and more to position patients for optimal health and longevity.

Test Name & Sample Type(s)	Description	Resources	QR
Healthspan Assessment Panel Blood	The Healthspan Assessment Panel provides a broad overview of health by evaluating markers of inflammation, autoimmunity, and nutrition, along with key markers of cardiovascular endocrine, hepatic, immune, metabolic, and renal health.	Key Clinical Messages Sample Report Interpretive Guide	
Oxidative Stress Profile Saliva Urine At-Home	The Oxidate Stress Profile measures 16 markers of cumulative oxidative damage eliminated from the body in the urine, plus 32 genetic variants that code for enzymes and antioxidants that can significantly impact oxidative stress response.	Key Clinical Messages Sample Report Interpretive Guide	

Where Cutting-Edge Research Meets Clinical Practice for Optimal Health Outcomes

The Vibrant Wellness Podcast is your go-to resource for all things functional wellness. It's packed with insightful interviews, clinical insights, and researched-backed strategies to empower wellness professionals to deliver the best possible outcomes for their patients.

With its innovative approach and commitment to scientific rigor, the Vibrant Wellness Podcast is an essential listen for anyone interested in the intersection of root cause healthcare and biotechnology.

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What We're Seeking:

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Insights and Strategies: Dive deep into the latest trends, research findings, and strategies that empower wellness professionals to make a real difference in patient lives.

Clinical Impact: Share real-world success stories, illustrate challenges, and provide actionable takeaways that enhance patient care.

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Reach Your Ideal Audience: Reach an audience of wellness professionals, practitioners, and enthusiasts hungry for in-depth insights and evidence-based strategies.

Share Your Clinical Excellence: Join us to share your clinical insights, explore research-backed methodologies, and discuss innovative approaches that drive the best patient outcomes.

Inspire Fellow Innovators: Be part of our commitment to scientific rigor and advanced biotechnology, influencing the future of functional wellness.

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Dr. Tom O'Bryan, MD

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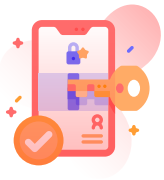

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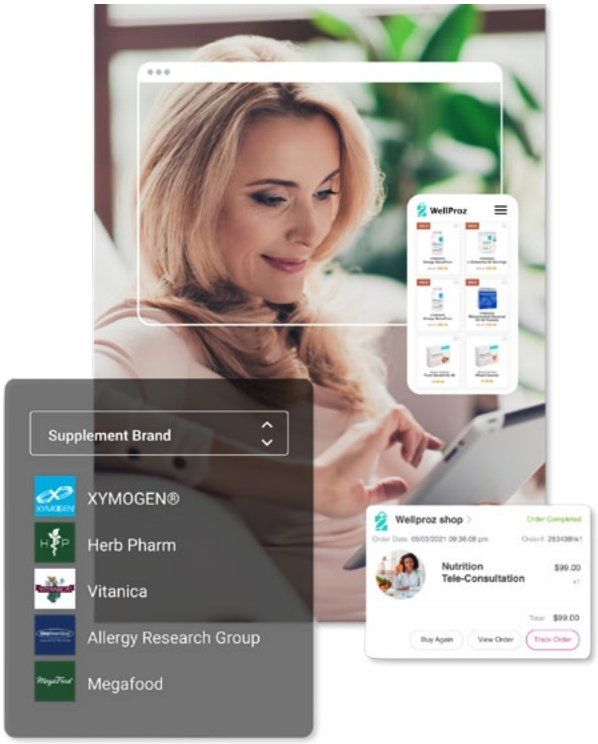

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