CYREX® Laboratories

EMPOWER YOUR BRAIN™

ALZHEIMER'S LINX™

ALZHEIMER'S-ASSOCIATED IMMUNE REACTIVITY

A BREAKTHROUGH THAT CAN FORM THE FUTURE

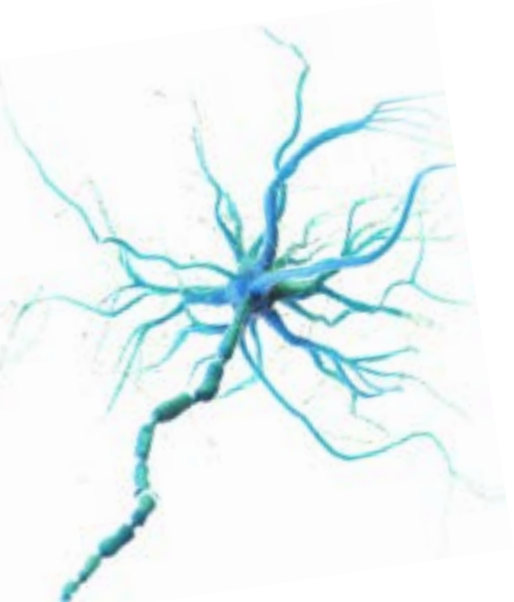
Alzheimer's LINX™ is a new breakthrough test panel designed to identify key risk factors that the latest medical research has linked to the development of Alzheimer's disease (AD).

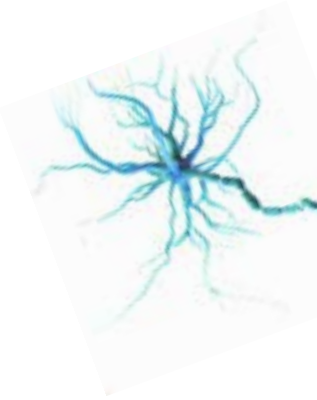
It detects immune reactivity to specific environmental antigens and self-tissues, which potentially can contribute to the development of AD, as well as other neurodegenerative conditions. This creates an important window of opportunity for preclinical management of individuals at higher risk of AD, even years before clinical onset of disease.

Alzheimer's LINX™ is the result of years of intense research and development, lead by Dr. Aristo Vojdani, a pioneering immunologist, recognized to many as the Father of Functional Immunology. It is a strategically planned panel of biomarkers revealing never-before-seen clinical perspectives of brain-related immune reactivity. All biomarkers are detailed further in the Alzheimer's LINX™ Clinical Application Guide and the Interpretive Guide Scientific Addendum.

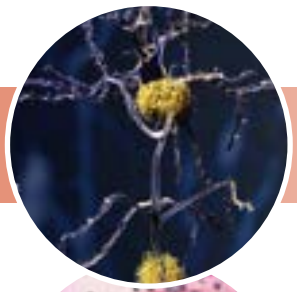
Features in this landmark new panel include:

- Seven categories of key contributing factors to Cognitive Decline or other neurodegenerative conditions
- Nearly 40 biomarkers, many of them offered for the first time anywhere
- Brand New Blood-Brain Barrier antibody biomarkers
- New biomarker to test immune reactivity to Amyloid-Beta
- The eight most cross-reactive foods (out of 208 studied) newly-discovered to have potential association with AD
- New protein biomarkers that reveal immune reactivity and cross reactivity to key brain cells and neurons at the heart of AD
- New Oral bacterial biomarker shown to be associated with AD
- Biomarkers for a collection of chemicals and metals discovered to have associations to AD
- Performed on the Gold Standard ELISA platform, the most reliable lab technology on the market



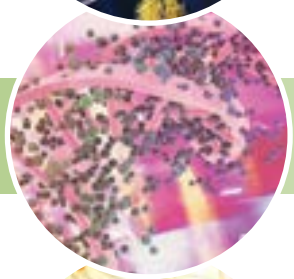


7 GROUPS OF KEY CONTRIBUTING FACTORS



BRAIN PROTEINS

- Assessing reactivity to brain proteins beyond amyloid-beta and tau protein

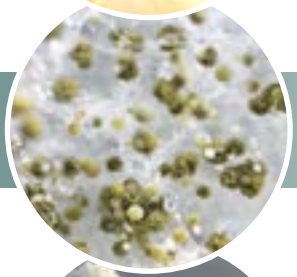


GROWTH FACTORS

- Measuring immune reactivity to factors involved in neuronal regeneration

ENTERIC NERVE, ENZYMES AND NEURONAL PEPTIDES

- Assessing immune reactivity to the communication pathway between the gut and the brain



PATHOGENS

- Assessing immune reactivity to pathogens known to cross-react with amyloid-beta

CHEMICALS

- Biomarkers for a collection of chemicals/heavy metals discovered to have associations to AD

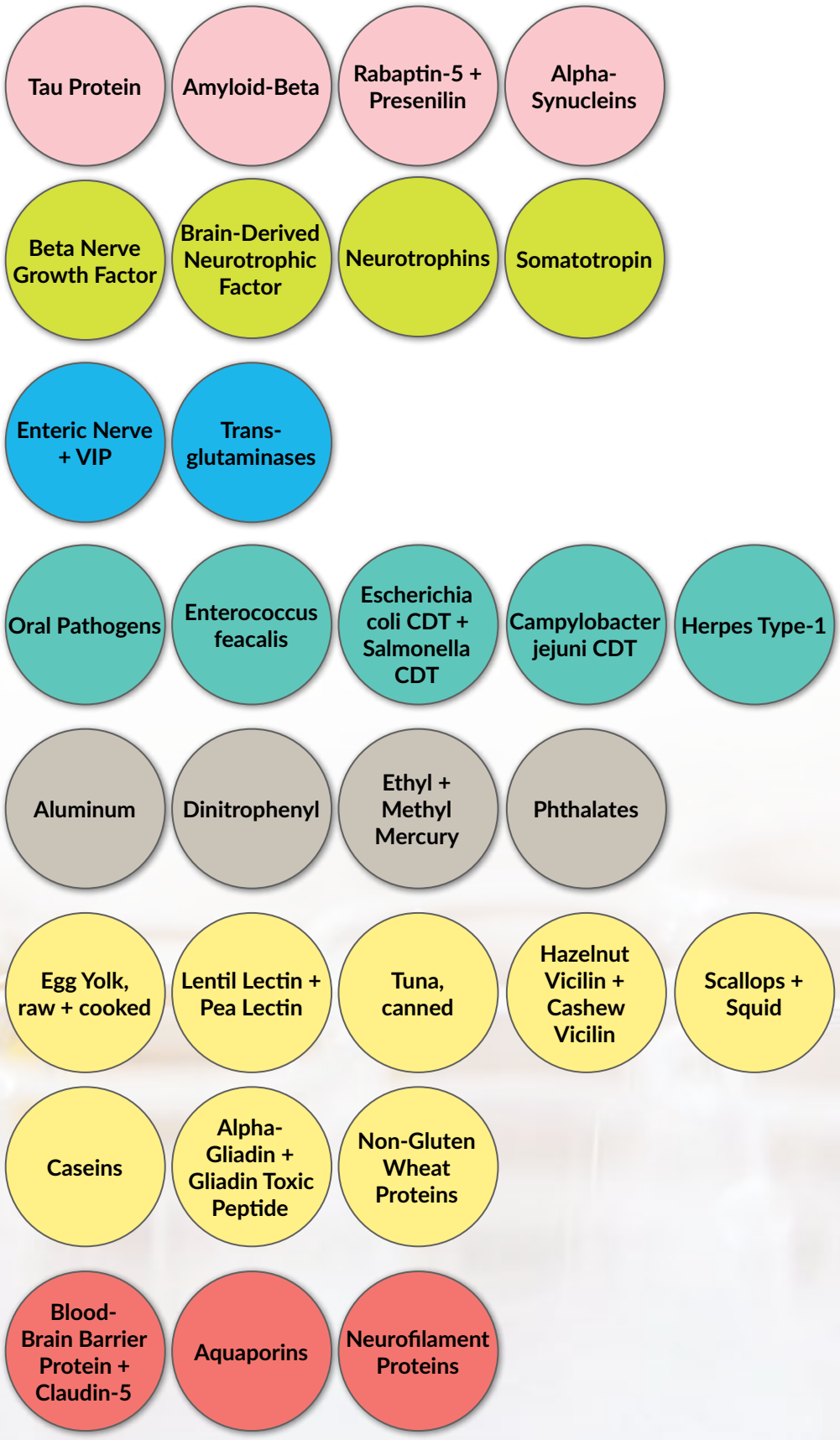
FOODS CROSS-REACTIVE TO AMYLOID BETA

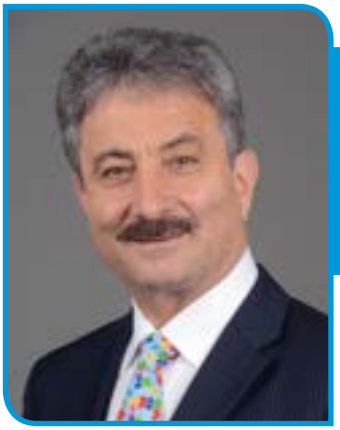
- 8 out of 208 common foods, newly discovered to have potential association with AD.

BLOOD-BRAIN BARRIER AND NEUROFILAMENTS

- Blood-Brain Barrier antibody biomarkers
- Assess the integrity of the blood-brain barrier

Alzheimer's LINX™ Biomarkers:





Aristo Vojdani, PhD, MSc, CLS

Dr. Vojdani is Cyrex's Chief Scientific Advisor and developer of Cyrex's unique, innovative tests. His on-going research focuses on the role of environmental triggers in autoimmune, complex and devastating diseases. His pioneering research has resulted in the development of more than 300 antibody assays for the detection of root causes of many autoimmune disorders and other diseases. He holds sixteen US patents for laboratory testing and has published more than 175 articles in journals, most importantly including peer-reviewed journals. His book Neuroimmunity and the Brain-Gut Connection was published by Nova Science Publishers. He has received the Herbert J. Rinkel Award, the Linus Pauling, PhD Award, the F. R. Carrick Research Institute's Lifetime Achievement Award, and the Personalized Lifestyle Medicine Institute's 2018 Lifetime Achievement Award.

Presently, Dr Vojdani is an Adjunct Associate Professor in the Dept. of Preventive Medicine at Loma Linda University in California, USA, and an Adjunct Professor at the Lincoln College of Professional, Graduate and Continuing Education at the National University of Health Sciences. He lectures at scientific and medical conferences around the world, spreading his knowledge and thereby improving the lives of patients once thought lost.

Cyrex offers other landmark test panels

For more than eight years, Cyrex has introduced several innovative panels to help healthcare professionals uncover underlying factors linked to autoimmune reactivity:

- **Intestinal Antigenic Permeability Screen™ - Array 2**
  Launched in 2011, Cyrex's Array 2 was the first test panel of its kind that identified the breakdown of the intestinal barrier, rather than simple permeability. This innovative Array simultaneously assesses epithelial cell damage, tight junction breakdown and even presence of LPS antibodies.

- **Wheat/Gluten Proteome Reactivity & Autoimmunity™ - Array 3**
  A first of its kind test Array launched in 2011, it gave the gluten-reactive world what it desperately needed – the ability to see beyond one gliadin and one transglutaminase reactivity. Array 3 was a panel of 12 antigens, 24 markers, assessing wheat, gluten, opioid, neo-complex and autoimmune reactivities.

  In 2018 Array 3 was relaunched as Array 3X, which brought the latest research to the practitioner's toolbox by adding additional antigens such as the gliadin toxic peptide and microbial transglutaminase.

- **Gluten-Associated Cross-Reactive Foods & Foods Sensitivity™ - Array 4**
  Nearly 50% of celiac patients do not recover on a gluten-free diet . Array 4 was developed for this target group. This breakthrough food reactivity test panel assesses further exposure to gluten, foods known to cross-react with gliadin, and reactivity to certain common foods used in gluten-free products.

- **Multiple Food Immune Reactivity Screen™ - Array 10**
  Cooking, and processing foods changes the antigenicity of the individual food protein. However, until Cyrex launched Array 10 in 2014, no laboratory tested real-world food immune reactivity. This array includes 180 foods and a smaller version of 90 common foods. In addition to testing raw, cooked, processed and combined foods, Cyrex's Array 10 includes multiple foods that are known triggers of autoimmunity.

- **Chemical Autoimmune Reactivity Screen™ - Array 11**
  This landmark test panel is the only assessment that measures immune reactivity to key chemicals, as possible environmental triggers of autoimmunity. Other tests show exposure, but Array 11 not only shows exposure, it proves body burden by measuring antibodies to chemicals bound to human tissues.

Since opening in 2011, Cyrex has been the functional medicine practitioner's go-to lab for assessing environmentally-induced autoimmunity. We help practitioners recover, and maintain quality of life for their patients with cutting edge tests, using the gold standard ELISA technology.

Learn more about our QC standards, the Four Pillars of Excellence, and other unique test panels by visiting JoinCyrex.com

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