Immunoassays, instruments, and controls, 9/15

At the AACC show 2015

The family of Phadia instruments from Thermo Fisher Scientific now includes the Phadia 2500E Laboratory System for laboratories meeting high demands. Phadia Laboratory Systems are fully automated instruments for running assays that detect and quantitatively determine clinically relevant antibodies in the blood. The Phadia 2500E helps labs manage a high volume of tests by incorporating two process lines configurable for allergy and autoimmunity testing, delivering 10,000 to 25,000 results per week.

The types of allergens that can be detected by Phadia Laboratory Systems have been expanded to include new ImmunoCAP Allergen Components for hazelnut, walnut, and cashew nut (pending FDA clearance). Unlike skin scratch testing, the Phadia Laboratory Systems rely on component-resolved diagnostics, an in vitro approach that quantifies IgE antibodies contained within a blood sample that recognize sensitization to protein level components of selected whole allergens.

New FDA-cleared immunoassays for autoimmune disorders are available for use on the Phadia Laboratory Systems. The EliA PR3S, EliA MPOS, and EliA GBM assays are highly specific quantitative assays to measure autoantibodies as an aid in the diagnosis of ANCA-associated vasculitis, Goodpasture syndrome, and associated diseases.

The Thermo Scientific Prelude LX-4 MD HPLC, listed with the FDA as a class I medical device for general clinical use, quadruples the productivity of a single-channel high-performance liquid chromatography system using four parallel channels that deliver up to four separations in a single instrument. The four channels can run identical or different LC-MS assays simultaneously.

Thermo Scientific MAS Liquimmune controls are designed to monitor immunoassay test procedures on automated instruments, and the analytes covered include those routinely measured for fertility, thyroid, iron deficiency, endocrine, and allergy testing.

***Thermo Fisher Scientific**, 760-603-7200*