Microliters of serum. AIR™ does not require complex secondary antibody or platform: a label-free, sensitive, quantitative, and simple assay allowing up to conservation where measuring more means less use of precious sample. Matching multiple probe types (e.g., antigens and antibodies, or Ag, Ab, and N.A.) to accelerate and simplify the process of assessing autoimmunity in human perspective vs. competing platforms. Developed in collaboration with Protagen AG, a leading provider of biomarker discovery services, the AIR™ autoimmunity assay incorporates major improvements over previous systems: (1) no secondary labels or post-processing steps, and therefore is considerably simplified from a workflow perspective.;

How do we enable detection of hundreds of proteins?

Suppress background illumination. • Reveal Hidden detail.

How It Works

A laser beam is reflected off the chip surface and imaged with a digital camera in a fraction of a second, producing an array of bright and dark spots.

Figure 1. Assay standard curves for 5 antigens (bottom) obtained by spiking polyclonal antibodies into assay diluent and conducting serial dilutions; Representative autoimmune arrays are shown (top). Note: for all 7-point (linear) standard curves, R-squared values are shown.