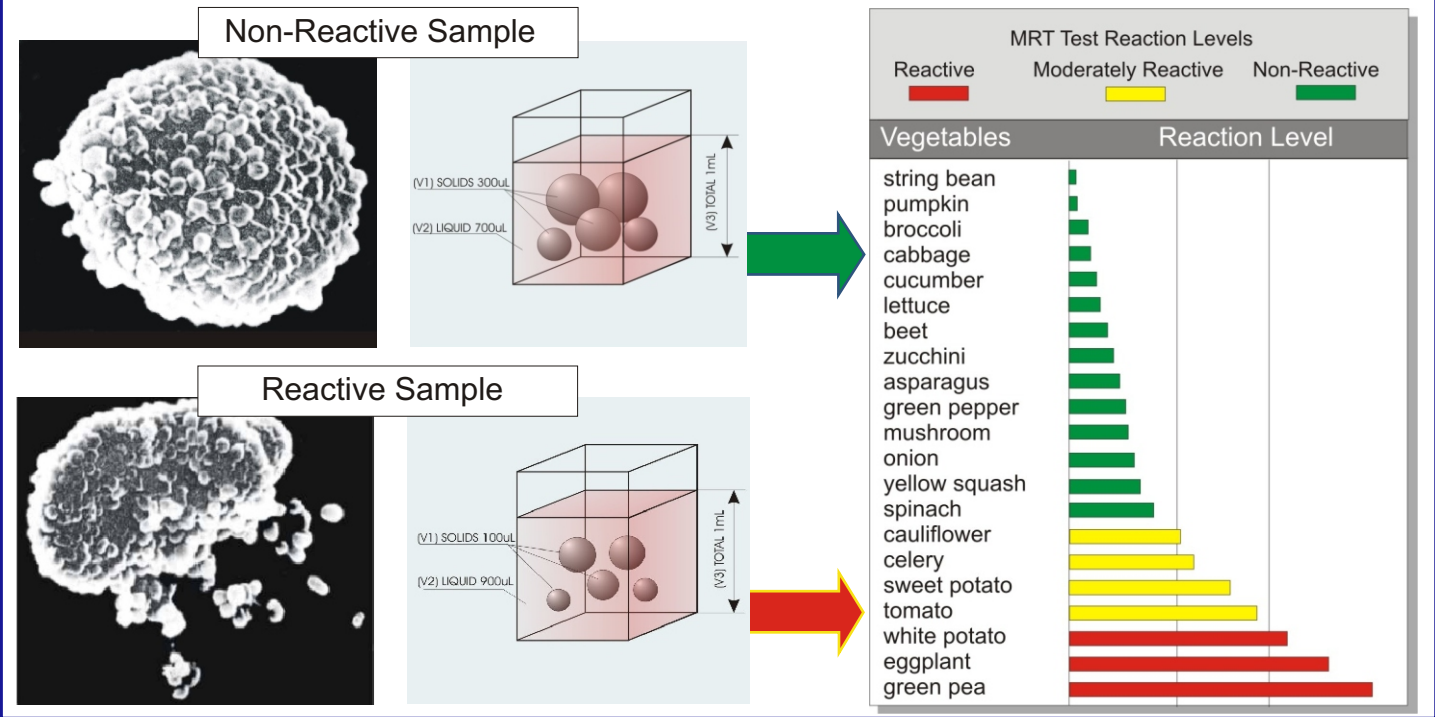


# Principle of Mediator Release Testing®



"The reason MRT has the greatest clinically utility for food sensitivities is because it most closely approximates the actual picture of what is happening in vivo. This has great clinical value when designing a safe foods diet."

W. Ted Kniker, M.D.  
Past Chairperson

Adverse Food Reactions Committee  
American College of Allergy, Asthma & Immunology

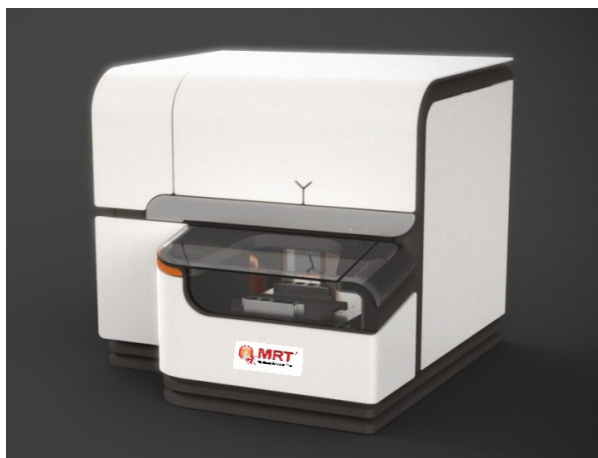
## MRT Identifies Reactions Other Blood Tests Can't

Food sensitivity is a very complex inflammatory reaction involving many variables: multiple triggering mechanisms (*food antigens, food-chemical antigens, immune complexes, haptens, lectins, amines, etc.*), that affect multiple classes of leukocytes (*lymphocytes, eosinophils, basophils, monocytes, neutrophils*) that release a wide range of proinflammatory and proalgesic mediators (*cytokines, leukotrienes, prostaglandins, etc.*).

MRT® is based upon the fact that cellular mediator release invariably effects volumetric changes in reacting leukocytes, and that any such volumetric changes are measurable.

By using a combination of state of the art laser and patented "Ribbon Method" impedance-based technologies, MRT® precisely quantifies the cumulative volumetric reaction of the entire leukocyte population for each substance tested, regardless of triggering mechanism or reacting cell type. This means MRT has the greatest clinical utility of any available blood test because it accounts for the widest array of mediator-releasing pathways.

**MRT IS YOUR BEST OPTION FOR  
FOOD SENSITIVITY TESTING**



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