## Nanoscale Immunoactive Protein Quantification (NIP-Q)

MedTech & Diagnostics

## Improving the Value of New Biomarkers in Companion Diagnostics

## Value Proposition and Field of Application

Biomarkers for diagnosis of autoimmune diseases are often low in specificity, sensitivity, or both and are therefore usually included in matrices of several biomarkers that give an overall assessment of disease status. These matrices consist of many biomarkers quantified using similar techniques, because of this, new biomarkers are often correlated with already established ones and the added value of the new biomarkers are therefore often low. We propose here a completely different assessment of biomarkers not only based on the concentration of proteins but also on size and structure. This adds significant new value to existing and new biomarkers within autoimmune diseases. The size and structure of immune proteins can change their potency by a factor greater than 10<sup>6</sup>.





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