

Optilite®

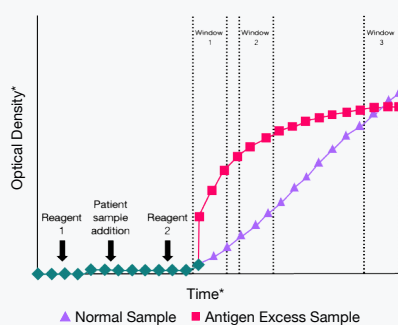
Proven and dedicated protein analyser



Trust your results with the Optilite® analyser - world class antigen excess protection

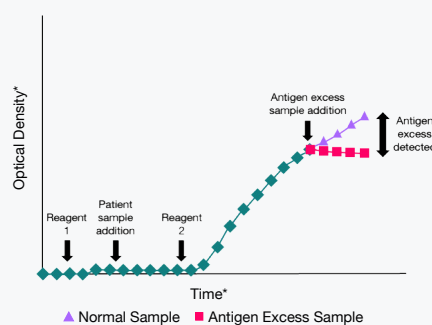
The Optilite analyser can utilise three different methods for advanced antigen excess protection to increase your confidence in delivering accurate results. Each assay requiring antigen excess protection is fully optimised using the method that best fits the assay. Importantly, once antigen excess is identified by the Optilite analyser, the sample will be automatically diluted until an end result is obtained.

Reaction kinetic method



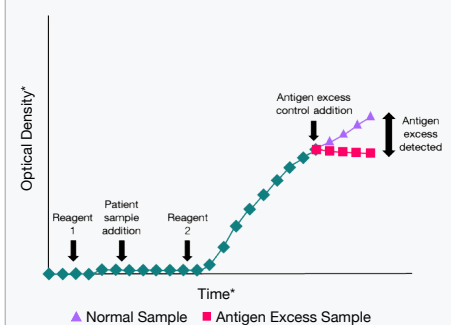
- ✓ The Optilite analyser's software monitors each reaction
- ✓ The reaction traces are thoroughly analysed to detect signs of antigen excess behaviour

Sample addition method



- ✓ The Optilite analyser adds extra patient samples at the end of the reaction
- ✓ The change in absorbance is monitored to detect samples in antigen excess, in which case the reaction will not show an increase in absorbance

Control addition method



- ✓ A custom-designed antigen excess control fluid is added at the end of the reaction
- ✓ Similar principle as the sample addition method

Antigen excess or prozone effect is a phenomenon where high concentrations of analytes limit the formation of antigen-antibody immune-complexes. Antigen excess causes falsely low level analyte results, is sample-specific and can occur in any type of immunoassay.

Undetected antigen excess leads to under-estimation of the actual analyte concentration in the sample. In consequence, it can potentially give rise to inappropriate patient management and unnecessary patient follow-up. This is best managed through general awareness by the laboratory specialist supported by appropriate tools.

*Time and optical density values are assay-specific



Optimised. Dedicated. True protein leadership.

Find out how your laboratory can benefit by contacting info@bindingsite.com or visiting www.bindingsite.com

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