

ImmunoSuperNova® – for Enhanced Sensitivity



Classical diagnostic assays, such as ELISA-Tests¹ have been very successfully applied to immunodetection. Nevertheless, they usually provide weak signals due to the labelling of antibodies with a small amount of fluorophores or marker enzymes. Consequently, small analyte concentrations are not able to be detected.

ImmunoSuperNova® is a new amplification system which significantly improves the efficacy of immuno-detection. The system consists of sensor capsules manufactured according to the LBL-Technology®, which are filled with several hundred millions of molecules of fluorescent dyes or enzyme crystals.

ImmunoSuperNova® can be engineered to provide the following benefits:



- FAST DETECTION
- EASY-TO-USE
- ENHANCED SENSITIVITY
- EASY RESUSPENSIO

With ImmunoSuperNova®, fast detection is provided by simply adding a release reagent to the analyte probe – the marker dye/enzyme is immediately set free for detection. It is also very easy to use, since successful detection is made by hundreds of millions of marker molecules. In connection with an enhanced sensitivity, due to a high number of functional groups added to the particle surface, small analyte concentrations can be detected. If necessary, the particles can be easily resuspended after storage, this being assured by the predefined high charge of the surface layers.

ImmunoSuperNova® can be engineered to individual assay formats by providing high flexibility in:

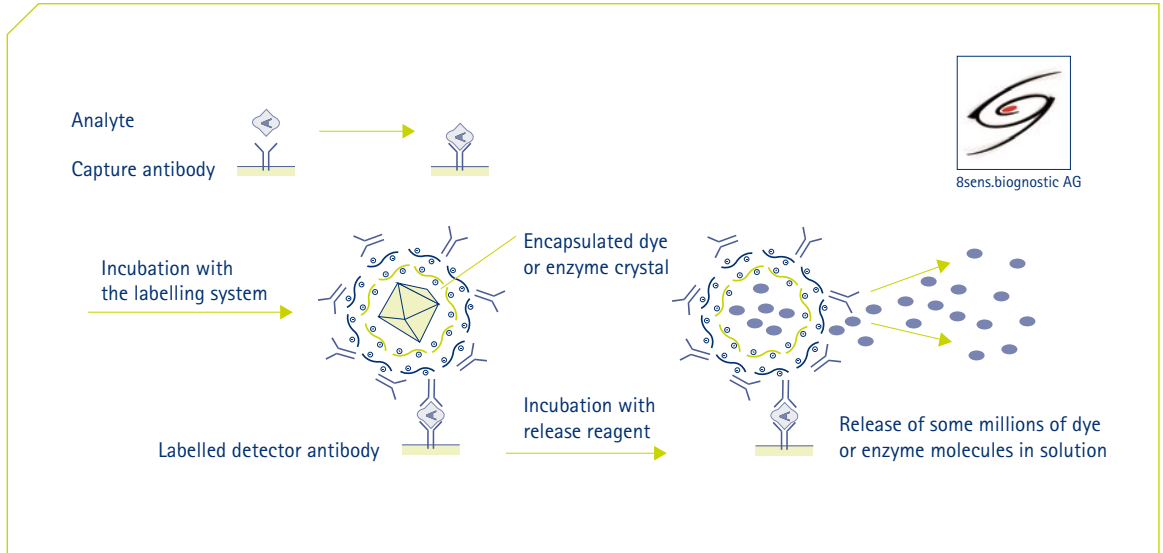


- MATERIALS
- SIZE
- COLOURS
- PAYLOAD

¹ELISA = Enzyme Linked Immunosorbant Assays



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ImmunoSuperNova® is originally invented by 8sens.biognostic AG, Berlin and now commercialized and improved in co-operation with Capsulation.

Please feel free to contact us. We will engineer the right ImmunoSuperNova® for you.



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