

Product

SirYus-Plates

To make biochips simple as ELISA

Biochips, microarrays and related technologies are constantly offering more affordable, more precise and more powerful ways to boost biological analysis. Innobiochips job is to combine performance of microarrays and simplicity of ELISA.

View-plate is the newest microarrays substrate designed to enhance the efficiency of biochips.

96-wells plate : the standart lab format

96-wells format is particularly advantageous. Materials and automates already exist and boost analysis. No change is needed. You just have to use all the facilities present in your lab. Thus, we have chosen to adapt microarrays to 96-wells microplate.

Fig.3 - Sensitivity



Fig.4 - Reproducibility

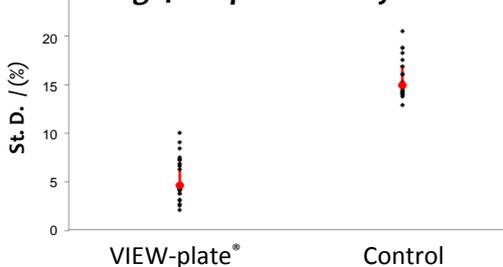
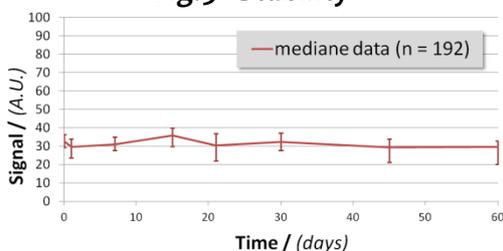


Fig.5 - Stability



Microarrays in 96-wells format

Innobiochips has developed a biochips technology based on 96-Well format: SirYus. The plates are the key point of the technology.

Safety substrates

Usually, microarrays are manufactured on glass slides. Brittle and sharp glass slides can be a safety hazard for biological sample handling. Use of plastic polymer enables to answer problems of safety and implementation.

"Ready-to-print" plates

Our plates are compatible with all major brands of microarrayers (see Fig.1) and colorimetric microarrays readers. They give a fantastic way for microarrays manufacturing in 96-wells plates (see Fig.2). No additional step is needed. You just have to put the plate into the arrayer and press "start".

Various chemistries for optimal printing

Plates are based on functional agents able to bring the best physic-chemical environment for the immobilization of biomolecules into the well. Our modified plates give higher signals and better reproducibilities than plates controls (see Fig.3&4). Several agents are proposed to fit with different biomolecules properties.

Quality control

The functional agent is prepared in large quantities by chemical way and offers high capacity of manufacturing. Quality control is performed on functional agent and plate to ensure high quality and homogeneity of our substrate. After manufacturing, plates can be stored several months at room temperature (see Fig. 5).

Substrates designed to fit biochips with diagnostic

Immunoassays, as ELISA, represent a large part of diagnostic methods used currently for number of applications. Today, some innovations make immunoassays more specific and highly sensitive. New diagnostic possibilities are open.

- 8-well strips or 96-well plate
- "Ready-to-print" substrate
- Various surface chemistry
- Compatible with standard lab equipment
- Economical



Fig.1 - Microarray printing

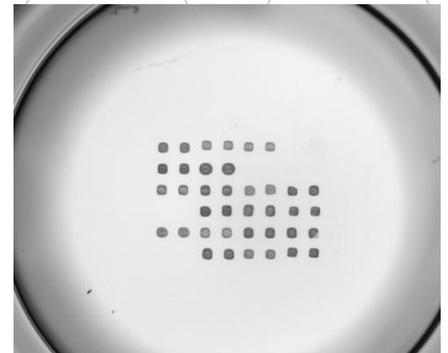


Fig.2 - Colorimetric image

SirYus-plates available

- Hydrazide binding

A special surface designed to soft adsorption or site-directed orientation of biomolecules (oxydazied antibodies, glycoproteins or carbohydrates).

- Amine binding

This positive charged surface allows to catch easily all type of biomolecules.

- Hydrophobic binding

This surface binds proteins via efficient hydrophobic interactions.

- Custom binding

Innobiochips can develop specific plate for your probes on demand.

Understanding life.

innobiochips

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