

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Identification of protein-binding agents using a small molecule-based microarray	A small molecule-based microarray can identify combinations of compounds as protein-binding agents for high throughput assays and screening applications. The microarray plate consisted of >5,000 spots containing different combinations of small molecules. Incubation of the array with a protein gave a quantitative readout of the protein's binding affinity for each spot. Each of four tested proteins had a distinct pattern of binding affinities on the array, thus enabling the identification of small molecule combinations that had a desired binding affinity for the protein. Ongoing work is extending the technology to affinity-based IgG purification and proteomics-based biomarker identification.	Patented by Receptors LLC; available for partnering	Roska, R. <i>et al.</i> <i>J. Am. Chem. Soc.</i> ; published online Oct. 29, 2009; doi:10.1021/ja9046944 Contact: Robert E. Carlson, Receptors LLC, Chaska, Minn. e-mail: bc@receptorsllc.com
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