

Service Packages for Glycoprofiling by Nanocapture® Lectin Chip and other tools

Packages Services	Basic			Intermediate			Advance			Advance Plus		
	I	II	III	I	II	III	I	II	III	I	II	III
Sample Size	1-5			6-20			21-50			> 51		
Sample Complexity	Single purified glycoprotein			Multiple purified protein mixture			Single crude protein mixture			Multiple crude protein mixture		
Lectin Binding Signature (quantification)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glycoprotein Major Terminal Linkage Identification		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glyco-forms Identification			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kinetics/Affinity Measurement				✓	✓	✓	✓	✓	✓	✓	✓	✓
Allosteric Glycoform Characterization with Lectin Overlay Assay					✓	✓	✓	✓	✓	✓	✓	✓
Allosteric Glycoform Characterization with Target-Specific Antibody Overlay Assay						✓	✓	✓	✓	✓	✓	✓
Binding Verification by Immunoassays							✓	✓	✓	✓	✓	✓
Competition Assay in Vitro								✓	✓	✓	✓	✓
Inhibition Assay in Vitro									✓	✓	✓	✓
Ligand Capture for MS analysis										✓	✓	✓
Glycan Flow Analysis											✓	✓
Map Glycosylation Sites												✓
Service Report	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

If you are interested in additional services, or larger sample sizes, custom service packages can be accommodated by the Plexera Service Team.

First SPRI-Based Lectin Array Chip

Feature	Specification
○ Product Cat#	○ L-001-P1
○ Chip ID	○ L-13-1000
○ Chip size	○ Regular slide (12x18cm)
○ Chip Format	○ SPRI-based
○ Array vs chip/Set	○ 1
○ Lectin number / functional group	○ 41/7 (with triplet spot)
○ Reuse	○ >30-35 times
○ Capacity	○ 272 spots on active area
○ Multiplex Measurement	○ Yes
○ High throughput	○ Yes
○ Sample type/Volume	○ Purified protein, serum, cell lyses, medium/1-10 μ l
○ Dynamic Range	○ 10^{-2} RIU
○ Detection limit	○ 0.5ng/cm ² for a 150 μ m spot
○ Specificity	○ Bind to glycosylated but not non-glycosylated proteins as evaluated
○ Sensitivity	○ 2nM-200nM
○ Variability	○ Limited
○ Cross reactivity	○ None
○ Reproducibility /Stability	○ Yes /5-6 months

