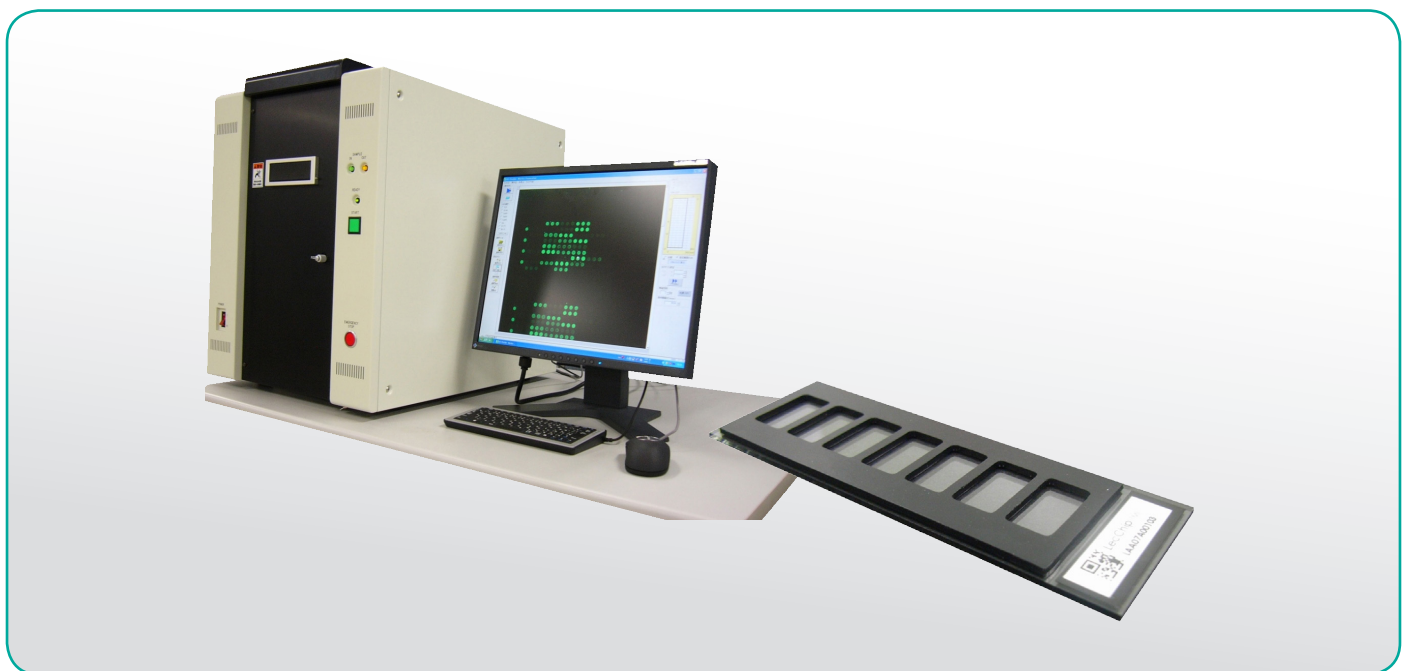


Your Partner in
Glycomics – Simplified Glycoanalysis
using Lectin Microarrays from



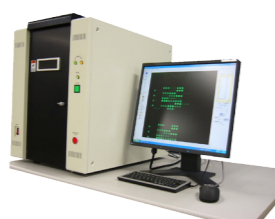
NEW TECHNOLOGY COMPLEMENTARY TO MASS SPECTROMETRY AND HPLC FOR

- Detection of Changes in Glycosylation Pattern
- Supporting Quality Control activities (Batch-to-Batch Variation)
- Comparability testing of Biosimilars
- Monitoring of Biologicals (e.g. Protein Drugs)
- Host Cell Characterization
- Glyco-Biomarker Discovery
- Characterization of Stem Cells & Differentiated Cells
- Advanced Histochemistry eg. Marker Definition
- Production Process Optimization (IPC Testing)

YOUR PARTNER FOR GLYCOANALYSIS PRODUCTS

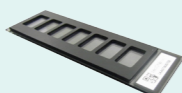
using **GlycoStation™ Reader 2200** or **GlycoLite™ 2200**

	Highend Glycan Profiler for detecting weak biomolecular interactions	Standard Glycan Profiler
Manufacturer	GlycoTechnica	GlycoTechnica
Model	GlycoStation™ Reader 2200	GlycoLite™ 2200
Scanning Method	Step & Repeat, cMOS	Step & Repeat, cMOS
Exposure Time	133msec - 10sec	133msec ~ 10sec
Detection Method	Evanescent-field Excitation	Evanescent-field Excitation
Liquid Phase Detection	Possible	Possible
Scanning Area	Standard 12x60mm (expandable to 25x75mm)	12x60mm
Resolution	6.5µm	6.5µm
Scan Time	1min 40sec (at 1sec Exposure Time)	3min 45sec (at 1sec Exposure Time)
Light Source	Metal Halide Lamp	LED
Detection Filters	Cy3, optional Cy5, FITC (up to 5)	Cy3 monochromatic
Digital Resolution	16bits	16bits
Analysis Software for Glycan (Option)	GlycoStation ToolsPro	GlycoStation ToolsPro
Data Storage	HDD, Exportable through LAN or USB HDD	Flash Disk, Exportable through LAN or USB Memory



Size	440x592x585mm	304x425x480mm
Weight	67kg	27kg

LecChip™
(Cat. No.: GK-LecChip)



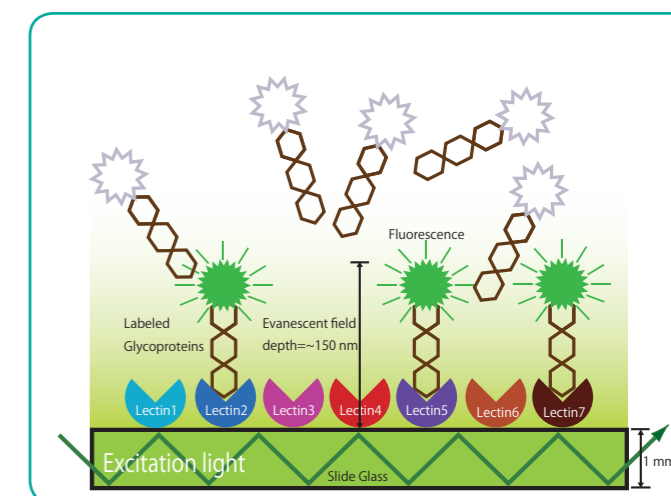
Probing Solution
(Cat. No.: GK-Probing_Solution)



YOUR PARTNER FOR GLYCOANALYSIS SERVICES

Using a glass slide based Lectin Microarray (**LecChip™**), the binding to 45 different natural Lectins with unique binding properties for carbohydrates is tested

Lectin No.	Lectin	Reported specificity
1	LTL	Fuca1-3(Galβ1-4)GlcNAc, Fuca1-2Galβ1-4GlcNAc
2	PSA	Fuca1-6GlcNAc, α-D-Glc, α-D-Man
3	LCA	Fuca1-6GlcNAc, α-D-Glc, α-D-Man
4	UEA-I	Fuca1-2Galβ1-4GlcNAc
5	AOL	Fuca1-6GlcNAc (core fucose)
6	AAL	Fuca1-6GlcNAc, Fuca1-3(Galβ1-4)GlcNAc
7	MAL	Siaa2-3Galβ1-4GlcNAc
8	SNA	Siaa2-6Gal/GalNAc
9	SSA	Siaa2-6Gal/GalNAc
10	TJA-I	Siaa2-6Gal/GalNAc
11	PHAL	tri/tetra-antennary complex-type N-glycan
12	ECA	Galβ1-4GlcNAc
13	RCA120	Galβ1-4GlcNAc
14	PHAE	bi-antennary complex-type N-glycan with outer Gal and bisecting GlcNAc
15	DSA	(GlcNAcβ1-4) _n , Galβ1-4GlcNAc
16	GSL-II	agalactosylated tri/tetra antennary glycans, GlcNAc
17	NPA	High-Mannose, Mana1-6Man
18	ConA	High-Mannose, Mana1-6(Mana1-3)Man
19	GNA	High-Mannose, Mana1-3Man
20	HHL	High-Mannose, Mana1-3Man Mana1-6Man
21	ACG	Siaa2-3Galβ1-4GlcNAc
22	TxLCI	Mana1-3(Mana1-6)Man, bi- and tri-antennary complex-type N-glycan, GalNAc
23	BPL	Galβ1-3GalNAc, GalNAc
24	TJA-II	Fuca1-2Galβ1-> or GalNAcb1-> groups at their nonreducing terminals
25	EEL	blood group B antigen, Gala1-3Gal
26	ABA	Galβ1-3GalNAc
27	LEL	GlcNAc trimers/tetramers
28	STL	GlcNAc oligomers, oligosaccharide containing GlcNAc and MurNAc
29	UDA	GLcNAcβ1-4GlcNAc, Mixture of Man5 to Man9
30	PWM	(GlcNAcβ1-4) _n



31	Jacalin	Galβ1-3GalNAc, GalNAc
32	PNA	Galβ1-3GalNAc
33	WFA	GalNAcβ1-4GlcNAc Galβ1-3(-6)GalNAc
34	ACA	Galβ1-3GalNAc
35	MPA	Galβ1-3GalNAc GalNAc
36	HPA	α-linked terminal GalNAc
37	VVA	α-linked terminal GalNAc, GalNAca1-3Gal
38	DBA	blood group A antigen, GalNAca1-3GalNAc
39	SBA	α- or β-linked terminal GalNAc, GalNAca1-3Gal
40	Calsepa	Mannose, Maltose
41	PTL-I	α-linked terminal GalNAc
42	MAH	Siaa2-3Galβ1-3(Siaa2-6)GalNAc
43	WGA	chitin oligomers, Sia
44	GSL-I A4	α-linked GalNAc
45	GSL-I B4	α-linked Gal

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