GALAB Technologies GmbH
Max-Planck-Str.1
D-21502 Geesthacht
Germany

General Product Information

GlycoImage® Lectin Microplates

Product description:
Lectins are coupled to the microplate surface by covalent binding. Due to this coupling method, the plate offers a high stability in a wide pH range. Detergent treatment of the surfaces after lectin binding yields a minimized non-specific binding of proteins. The surfaces are not BSA-blocked.

Product	Quantity	Format	Cat. No.
WGA Plate	2	96well - transparent	191031
	1	384well - transparent	191032
	1	384well - black	191033
ConA Plate	2	96well - transparent	191041
	1	384well - transparent	191042
	1	384well - black	191043
LCH Plate	2	96well - transparent	191051
	1	384well - transparent	191052
	1	384well - black	191053
PNA Plate	2	96well - transparent	191061
	1	384well - transparent	191062
	1	384well - black	191063
AIL Plate	2	96well - transparent	191071
	1	384well - transparent	191072
	1	384well - black	191073
AAL Plate	2	96well - transparent	191091
	1	384well - transparent	191092
	1	384well - black	191093
SNA Plate	2	96well - transparent	191121
	1	384well - transparent	191122
	1	384well - black	191123
MAL Plate	2	96well - transparent	191131
	1	384well - transparent	191132
	1	384well - black	191133
UEA Plate	2	96well - transparent	191141
	1	384well - transparent	191142
	1	384well - black	191143
GNA Plate	2	96well - transparent	191151
	1	384well - transparent	191152
	1	384well - black	191153
ECL Plate	2	96well - transparent	191161
	1	384well - transparent	191162
	1	384well - black	191163

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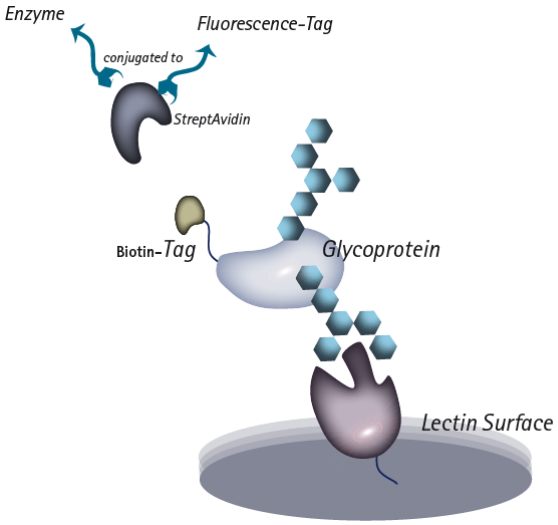
Preparation and usage of microplate surfaces



1 – Equilibrate the plate with GlycoImage® EQ Buffer for at least half an hour (alternatively use your own assay buffer)

2 – Empty the plate and drop it out onto a tissue.

3 – Add your biotinylated glycoprotein onto the plate. It is recommended to determine control substances parallel to your glycoprotein (e.g. Ovalbumin for mannose-specific lectins or BSA as a blank control, see biotinylated glycoproteins).

4 – Incubate your sample for at least 2 hours at 20°C or over night at 4°C.

5 – Wash the plate 5 times after incubation, empty and drop out the plate after every cycle.

6 – Add your detection molecule and proceed your assay protocol due to your method of detection.

Using streptavidin-alkaline phosphatase on biotinylated samples:

7 – Add the enzyme in a concentration range of 0,1µg/mL to 1µg/mL (depends on the enzyme activity)

8 - Incubate your enzyme for at least 1 hour at ambient temperature.

9 – Wash the plate after incubation 3 to 5 times, empty and drop out the plate after every cycle.

10 – Equilibrate your plate to remove detergents

11 – Add your substrate

12- Immediately after addition of the substrate solution, start your reading

Related Products

Buffer Solutions	sufficient for	Cat. No.
Assay Buffer	1000 mL	141030
Buffer Set (for transparent plates) *Assay Buffer* *Equilibration Buffer* *Detection Buffer*	 *1000mL* *100mL* *50mL*	141020

* For research, laboratory and in vitro use only; not for drug or diagnostic use, food or food additives, household or other uses.