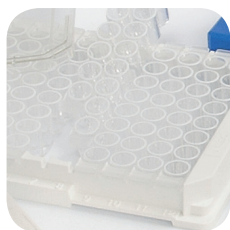


Guide to choosing Microplates for Immunology

Thermo Scientific Nunc



Solid Plates



Framed Modules/Strips



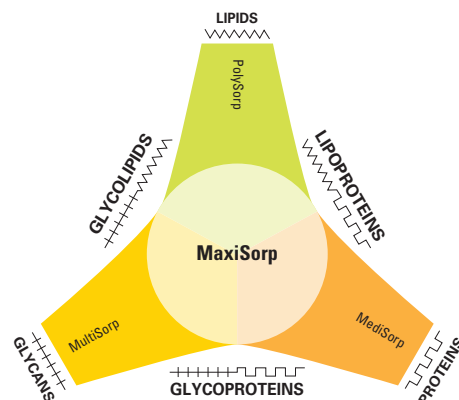
Loose modules/strips

Step 1 - Choose your plate format

Which surface do you need?

- Passive absorption surfaces

Surface	Polysorp	Medisorp	Maxisorp	Multisorp
Which Molecule	Lipids (hydrophobic molecules)	Proteins (Antigens)	Proteins (Antibodies)	Glycoproteins (hydrophilic molecules)



- Covalent coupling surfaces

Immobilizer Amino : covalent coupling of the molecule to permanently immobilize it with either the NH₂ or SH terminal
 Advantages : no blocking step required, reduced concentration of molecule for binding and high sensitivity.

- Affinity capture surface

Immobilizer Streptavidin : allows binding of biotinylated molecules, no blocking required and increased sensitivity

Wich type of bottom ?



Flat Bottom (F)
For good reading



Modified flat bottom (C)
For good washing and reading



Round bottom (U)
Optimal washing but not as easy to read

Detection method ?

Colourimetric
Transparent plate

Fluorescence
Black Plate

Chemiluminescence
White plate

Step 2- Choose the right plate

Type Microplate	Well bottom	Breakable?	Type	Surface					
				Polysorp	Medisorp	Maxisorp	Multisorp	Immobilizer Amino	Immobilizer Streptavidin
96 wells	F96		Transparent	475094	467320	442 404	467340	436006	436014
						439454 *			
			White	436111		436110		436007	436015
			Black	437112		437111		436008	436016
	U96		Transparent	475434		449824			
	C96		Transparent	446140		430341			
					446612*				
		White			437796				
384 wells	F384		Transparent			464718		436009	4360017
			White			460372			4360018
			Black			460518		436012	
8 wells strips	F8		Transparent	469078	467120	468667	467140	436013	436020
	U8		Transparent	475086		475078			
		•		446477		446639			
	C8		Transparent	444865		445101			
		•		446442	446470	446469	446490	436023	436022
		•	White	437702		437591			
		•	Black	463200		463201			
	•	Black	446473		446471				
12 wells strips	C12		Transparent	473717		473709			
16 well strips	F16		Transparent	467679		469914			
			Black	475523		475515			
	U16		Transparent			469264			

* = certified plates

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