

THERMO SCIENTIFIC NUNC PLATE SELECTION GUIDE



NEW

Nunc Edge 2.0 96-well plate uniquely designed to prevent evaporation during cell-based assays. Watch the video

Cell-based assays
Screening
Immunoassays



Thermo Scientific Nunc microplates - Quality and innovation for your assays

Thermo Scientific™ has over 50 years of experience in designing and manufacturing plates for researchers' increasingly sophisticated applications. The result is a very wide offering of the highest quality microplates for cell-based assays, cell-imaging, screening or immunoassays. Common to all plates: adherence to ISO 13485 quality standards, easy availability of product certification and quick access to knowledgeable technical support personnel

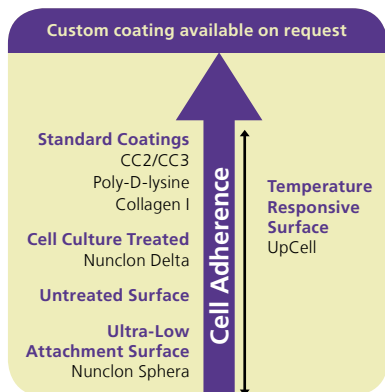
Thermo Scientific continues to innovate with the newly launched Thermo Scientific™ Nunc™ Edge 2.0 96-well plate uniquely designed with a surrounding moat that can be filled by sterile liquid or gel to prevent evaporation and preserve cell viability in the 96 wells of the plate during cell-based assays.

This plate selection guide tool has been developed to help you to find in 1-2-3 steps the best Nunc microplate for your application.

Thermo Scientific Nunc plate selection guide

Step 1 - Select the surface

Cell-based assays surfaces

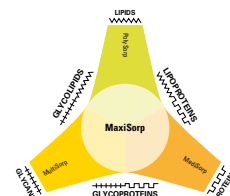


Immunoassays surfaces

- 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 Strepavidin: allows binding of biotinylated molecules, no blocking required and increased sensitivity



Step 2 - Select the format



Solid Plates

Framed Modules/Strips

Loose Modules/strips

Which type of well shape?



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 3 - Select the plate reference

Thermo Scientific Nunc cell-based assay plate references

Type	Bottom	Well shape	Colour	Lid	Bulk packaging	Surface						
						Cell Culture Treated Nunclon Δ	Untreated	Nunclon Sphera	UpCell	Poly-D-Lysine	Collagen I	CC2/CC3
96-well plate	solid	Flat (F)	Clear	•		735-0326*	734-0482	392-0608	734-2377	734-1185	734-1186	
						735-0329*	735-0334*					
						735-0328*	735-0332*					
			White	•		735-0327*	735-0331*					
						734-2002	732-2696					
						734-2003	732-2697					
		Black	•	•	734-2017	732-2699						
					734-2018	732-2700						
		Round (U)	Clear			734-2033	634-0010	392-0607				
						734-2080						
						734-1192	738-0147					
		Conical (V)	Clear				734-0483					
							738-1004					
							734-0491					
732-0812												

Type	Bottom	Well shape	Colour	Lid	Bulk packaging	Surface						
						Cell Culture Treated Nunclon Δ	Untreated	Nunclon Sphera	UpCell	Poly-D-Lysine	Collagen I	CC2/CC3
96-well plate	Optical (glass-based)	Flat (F)	White	•		734-2089						
			Black	•		734-2088						734-1354
	Optical (polymer-based)	Flat (F)	White	•		732-2605				734-1177	734-1187	
			Black	•		732-2604				734-1184	734-1183	
384-well plate	Solid	Flat (F)	Clear	•		734-2091						
			White	•		734-2090						
						734-2095						
			Black	•		734-2084						
	Optical (glass-based)	Flat (F)	Black	•		734-2086						
	Optical (polymer-based)	Flat (F)	White	•		734-2032						
			Black	•		734-2031				734-1178	734-1188	
1536-well plate	Solid	Flat (F)	White	•		734-2463						
			Black	•		734-2462						

(*Nunc Edge 2.0 plates)



Making new cancer applications possible

Cell-based Kinetic Measurements Using the Thermo Scientific Varioskan LUX

Using the Nunc Edge 2.0 Plate in conjunction with Thermo Scientific™ Varioskan™ LUX multimode microplate reader, the filled moats of the plate function as passive humidity control. This allows for simultaneous incubation and signal detection during long-term applications with living cells inside Varioskan LUX multimode Microplate reader with Integrated Gas Module without significant evaporation of the liquid in the sample wells. In several collaborative studies it was shown that applications that could not be done before had become possible.



Thermo Scientific Nunc screening plate references

Type	Bottom	Well shape	Colour	Bulk packaging	"Untreated surface non sterile"	
96-well plate	Solid	Flat (F)	Clear		734-0481	
			Clear, UV		735-0253	
			White		634-0007	
			Black		634-0006	
					634-0008	
			Round (U)	Clear		634-0008
			Conical (V)	Clear		634-0009
	Optical (glass-based)	Flat (F)	Black		732-2740	
	Optical (polymer-based)	Flat (F)	White		732-2742	
			Black		732-2741	
384-well plate	Solid	Flat (F)	Clear		732-2739	
				•	732-2724	
			White	•	732-2727	
			Black	•	732-2726	
	Solid (microwells)	Flat (F)	Clear		734-2876	
			White		734-2878	
			Black		734-2877	
	Optical (glass-based)	Flat (F)	Black		734-2178	
	Optical (polymer-based)	Flat (F)	White		734-2180	
			Black		734-2181	
1536-well plate	Solid	Flat (F)	Clear		734-2879	
			White		734-2880	
			Black		734-2880	

For custom barcoded, please contact your VWR Life Science Specialist

Thermo Scientific Nunc immunoassay plate references

Type	well shape	Breakable	Couleur	Surface						
				Polysorp	Medisorp	Maxisorp	Multisorp	mmobilizer Amino	Immobilizer Streptavidin	
96-well plate	Flat (F)		Clear	735-0131	735-0044	735-0083	735-0045	734-1277	734-1284	
						735-0199*				
			White	735-0003		735-0002		734-1278	734-1285	
		Black	735-0005		735-0004		734-1279	734-1286		
	Round (U)		Clear	735-0068		735-0030				
	Flat bottom with curved edges (C)			Clear	735-0096		735-0079			
						735-0097*				
		White				735-0008				
384-well plate	Flat (F)		Clear			735-0114			734-1287	
			White			735-0035				
			Black			735-0036				
8-well strip	Flat (F)		Clear	735-0049	735-0042	735-0048	735-0043	734-1283	734-1290	
						735-0066				
	Round (U)					735-0021				
	Flat bottom with curved edges (C)			735-0020						
		•		735-0023	735-0025	735-0024	732-2685	734-1292	734-1291	
			White	735-0007		735-0006				
•			738-0752		738-0753					
	Black	738-0751		738-0750						
12-well strip	(C)		Clear	735-0064		735-0063				
16-well strip	Flat (F)		Clear	735-0046		735-0052				
			Black	735-0071		735-0070				

* = certified plates

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