



Cell culture plastics

# Plate selection table for plate readers

Plates | Plate readers

**We have the plate you need**

Whether you're conducting fluorescence or luminescence studies, find the Thermo Scientific™ Nunc™ plate that matches your detection technology.

**Selected Nunc plates and Thermo Scientific™ plate readers that are best suited for your applications**

Plate detection technology	Nunc plates										Thermo Scientific plate readers				Thermo Scientific discontinued models																			
	Measurement mechanism	Plate format	Surface	Application	Well design*	Color	Bottom plate	Sterile	Lid	Cat. No.	Multiskan™ FC	Multiskan™ SkyHigh	Varioskan™ LUX	Varioskan™ ALF	Multiskan™ Sky	Fluoroskan™	Fluoroskan™ FL	Luminoskan™																
<b>Photometry</b> measures the amount of light absorbed by liquid samples.	Through the well	96-well	Non-treated	Suspension/solution	96 F	Black	Clear optical polymer	No	No	265301	•	•	•	•	•																			
			Non-treated	Suspension/solution	96 F	White	Clear optical polymer	No	No	265302																								
			Nunc™ Sphera™	3D cell culture	96 U	Clear	Clear	Yes	Yes	174925																								
			Non-treated	UV absorption measurement	96 F	Clear	Clear	No	No	8404																								
		384-well	Non-treated	Suspension/solution	384 F	Black	Clear	Yes	Yes	242764									•	•	•	•	•											
			Non-treated	Suspension/solution	384 F	White	Clear	Yes	Yes	142762																								
			Non-treated	Suspension/solution	384 F	Clear	Clear optical polymer	No	No	262260																								
		Multi-well**	Non-treated	Suspension/solution	6-well	Clear	Clear	Yes	Yes	150239									•	•	•													
			Non-treated	Suspension/solution	12-well	Clear	Clear	Yes	Yes	150200																								
			Non-treated	Suspension/solution	24-well	Clear	Clear	Yes	Yes	144530																								
			Non-treated	Suspension/solution	48-well	Clear	Clear	Yes	Yes	150787																								
		<b>Fluorometry</b> measures the amount of light emitted by a fluorophore upon excitation. In some assays, fluorescence resonance energy transfer (FRET), in which energy from a donor molecule is nonradiatively transferred to an acceptor molecule, is measured.	Top reading	Nunc 96-well	Non-treated	Suspension/solution	96 F	Black	Solid black	No									No	237108														
Nunc™ Delta	Adherent cell culture				96 F	Black	Solid black	Yes	Yes	137101																								
Nunc™ Sphera	3D cell culture				96 U	Clear	Clear	Yes	Yes	174925																								
Nunc 384-well	Nunc™ Delta		Adherent cell culture	384 F	Black	Solid black	Yes	Yes	164564	•	•																							
	96-well		Collagen I	ECM adherent culture	96 F	Black	Clear optical polymer	Yes	Yes									152037																
			Poly-D-lysine	ECM adherent culture	96 F	Black	Clear optical polymer	Yes	Yes									152036																
Nunc™ Sphera			3D cell culture	96 U	Clear	Clear	Yes	Yes	174925																									
Nunc™ Delta			Adherent cell culture	96 F	Black	Clear optical polymer	Yes	Yes	165305																									
Bottom reading	96-well		Non-treated	Suspension/solution	96 F	Black	Clear optical polymer	No	No	265301																								
			Nunc™ Sphera	3D cell culture	96 U	Clear	Clear optical polymer	Yes	Yes	174925																								
			Nunc™ Delta	Adherent cell culture	384 F	Black	Clear optical polymer	Yes	Yes	164564																								
			Poly-D-lysine	ECM adherent culture	384 F	Black	Clear optical polymer	Yes	Yes	152029																								
	Nunc 384-well		Collagen I	ECM adherent culture	384 F	Black	Clear optical polymer	Yes	Yes	152041									•															
			Non-treated	Suspension/solution	384 F	Clear	Clear optical polymer	No	No	262260																								
		Non-treated	Suspension/solution	96 F	White	Solid white	No	No	265301	•											•													
Nunc™ Delta	Adherent cell culture	96 F	White	Solid white	Yes	Yes	136101																											
384-well	Nunc™ Delta	Adherent cell culture	384 F	White	Solid white	Yes	Yes	164610	•	•																								
	Non-treated	Suspension/solution	384 F	White	Solid white	No	No	262360																										
	Non-treated	Suspension/solution	384 F	White	Solid white	No	No	262360																										
<b>Time-resolved fluorescence (TRF) spectrophotometry</b> measures the light emitted after a time delay by specific types of fluorophores that have long decay times. FRET can also be measured in a time-resolved (TR) mode known as TR-FRET.	Top reading	Nunc 96-well	Non-treated	Suspension/solution	96 F	White	Solid white	No	No	265301																								
			Nunc™ Delta	Adherent cell culture	96 F	White	Solid white	Yes	Yes	136101																								
		384-well	Nunc™ Delta	Adherent cell culture	384 F	White	Solid white	Yes	Yes	164610									•	•														
			Non-treated	Suspension/solution	384 F	White	Solid white	No	No	262360																								
<b>AlphaScreen™ technology</b> relies on the use of donor and acceptor beads with conjugated functional groups. Upon excitation, singlet oxygen molecules are generated on the donor beads and trigger acceptor-conjugated fluorophores to emit in the 520–620 nm range.	Top reading	Nunc 96-well	Non-treated	Suspension/solution	96 F	White	Solid white	No	No	265301																								
			Nunc™ Delta	Adherent cell culture	96 F	White	Solid white	Yes	Yes	136101																								
		384-well	Nunc™ Delta	Adherent cell culture	384 F	White	Solid white	Yes	Yes	164610									•	•														
			Non-treated	Suspension/solution	384 F	White	Solid white	No	No	262360																								
			1,536-well	Non-treated	Suspension/solution	1,536-well	White	Solid white	No	Yes															253607	•	•							

The above suggestions are based on common uses.

\* F = flat bottom, U = U or round bottom.

\*\* The Multiskan SkyHigh Microplate Spectrophotometer can read Thermo Scientific 6-well to 48-well plates without lid only.

Find more options at [thermofisher.com/plateguide](https://thermofisher.com/plateguide)  
Explore plate readers at [thermofisher.com/platereaders](https://thermofisher.com/platereaders)

**thermo** scientific