



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.

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

Plate detection technology		Nunc plates		Thermo Scientific plate readers							
Detection technology	Measurement mechanism	Plate format	Cat. No. (plate color)	Multiskan FC	Multiskan Sky	Fluoroskan	Fluoroskan FL	Luminoskan	Varioskan LUX		
Photometry measures the amount of light absorbed by liquid samples.	Through the well	96-well, clear bottom	260836 (clear)	•	•				•		
			267578 (clear, Edge 2.0)								
			265301 (black)								
			265302 (white)								
		384-well, clear bottom	262160 (clear)	•*	•					•	
			242764 (black)								
			142762 (white)								
			6-well								140675 (clear)
			12-well								150628 (clear)
			24-well								142475 (clear)
48-well	150687 (clear)										
96-well UV	8404 (clear)		•					•			
Fluorometry measures the amount of light emitted upon excitation of fluorophores. In some assays, the fluorescence resonance energy transfer (FRET), in which energy from a donor molecule is transferred to an acceptor molecule, is measured.	Top reading	96-well	237108 (black)			•	•		•		
			236108 (white)								
		384-well	262260 (black)			•	•		•		
			262360 (white)								
		1,536-well	253601 (black)						•		
			253607 (white)								
		6-well	140675 (clear)								
			12-well	150628 (clear)			•	•		•	
			24-well	142475 (clear)							
			48-well	150687 (clear)							
		Bottom reading	96-well, clear bottom	265301 (black)			•	•		•	
			384-well, clear bottom	242764 (black)			•	•		•	
			6-well	140675 (clear)							
			12-well	150628 (clear)							
24-well	142475 (clear)				•	•		•			
48-well	150687 (clear)										
Luminometry measures the amount of light that is generated as the result of a chemical or biological reaction where no exogenous source of excitation light is needed.	Top reading	96-well	236108 (white)				•	•	•		
			262360 (white)								
		1,536-well	253607 (white)							•	
			140675 (clear)								
		12-well	150628 (clear)								
			24-well	142475 (clear)				•	•	•	
48-well	150687 (clear)										
Time-resolved fluorescence (TRF) measures the light emitted after a time delay by specific types of fluorophores that have a long decay time. FRET can also be measured in a time-resolved mode known as TR-FRET.	Top reading	96-well	236108 (white)						•		
			262360 (white)								
		1,536-well	253607 (white)							•	
			6-well	140675 (clear)							
		12-well	150628 (clear)								
			24-well	142475 (clear)							•
48-well	150687 (clear)										
AlphaScreen™ technology relies on the use of donor and acceptor beads with conjugated functional groups. Through conversion of singlet oxygen, the donor beads trigger acceptor-conjugated fluorophores to emit in the 520–620 nm range.	Top reading	96-well	236108 (white)						•		
		384-well	262360 (white)						•		
		1,536-well	253607 (white)						•		

* Applicable to Cat. No. 51119100.

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