

guava easyCyte™ HT Compatible Microplates

Plates are listed by type and material—polystyrene (PS), polypropylene (PP), or flexible vinyl (PVC). While PP and PVC plates are mechanically compatible with the guava easyCyte HT System, EMD Millipore strongly recommends using PS plates whenever possible. PP and PVC plates are flexible and the distortions can affect the assay results.

96-Well Plate Type	Manufacturer	Catalog Number	Treatment		
			Tissue Culture	None	Other
Round-bottom-PS	BD Falcon	353076 353077 353910 (guava 1000-3020) 353918	✓ ✓	✓ ✓	
	Corning-Costar	3360 3799 3367 3788 3795 3798	✓ ✓	✓ ✓ ✓	✓
	Nunc	262162		✓	
Round-bottom-PP	BD Falcon	351190		✓	
	Corning-Costar	3356 3359 3365 3371		✓ ✓ ✓ ✓	
	Nalge-Nunc	267245 267334 267342 267350 267369 267385 267407		✓ ✓ ✓ ✓ ✓ ✓ ✓	
C-bottom-PS (well strips)	Nalge-Nunc	473709			✓-Maxisorp
V-bottom-PS	Corning-Costar	3896 3897 3898		✓ ✓	✓
V-bottom-PP removable	E&K Scientific	99230		✓	
V-bottom-PVC	Corning-Costar	2897		✓	

96-Well Plate Type	Manufacturer	Catalog Number	Treatment		
			Tissue Culture	None	Other
Flat-bottom-PS	BD Falcon	352072	✓		
		353070	✓		
		353075	✓		
		353872	✓		
		353936	✓		
		351172		✓	
		353228		✓	
		353915		✓	
		353937		✓	
		353279			
	Thermo Electron	9205		✓	
	Greiner	655180	✓		
(well strips)	Corning-Costar	3585	✓		
		3594	✓		
		3595	✓		
		3596	✓		
		3598	✓		
		3599	✓		
		3628	✓		
		3665	✓		
		3997	✓		
		3591		✓	
9017		✓			
3361				✓	
9018				✓	
3590				✓	
3474				✓-hydrogel	
	Nalge-Nunc	269620		✓	
		269787		✓	
		439454			✓
		442404			✓
		475094			✓
	Corning-Costar	2388			✓
		2504			✓
		2508			✓
		2510			✓
		2592			✓
		2593			✓
	Nalge-Nunc	467466			✓-Maxisorp
Flat bottom-PVC	Corning-Costar	2595		✓	

EMD Millipore plates, in any filter thickness and with the following prefixes are also compatible:

- MABV
- MAGV
- MSDV
- MSGV
- MADV
- MAHV
- MSDV
- MSHV

NOTE: The EMD Millipore plate with the MAMI prefix, in any filter thickness, is compatible only if the middle 96-well plastic insert is removed before use on the guava easyCyte HT System.

NOTE: Other EMD Millipore plates may be compatible. Contact EMD Millipore Technical Support for information.

Incompatible Microplates

Following is a list of microplates not compatible with the guava easyCyte HT System.

96-Well Plate Type	Manufacturer	Catalog Number	Material
Round-bottom (well strip)	Thermo Electron	2205 0151	polystyrene polypropylene
	Greiner	650101	polystyrene
	Nalge-Nunc	262146 262180	polystyrene polystyrene
	Nalge-Nunc	464394	polystyrene
V-bottom	Thermo Electron	2605	polystyrene
	Nalge-Nunc	249662 249570 442587	polystyrene polystyrene polypropylene
Flat-bottom (half area)	Corning-Costar	3686 3690 3694 3695 3696 3697	polystyrene polystyrene polystyrene polystyrene polystyrene polystyrene
PCR tube	Nalge-Nunc	251357	polypropylene (strip)

Microcentrifuge Tubes

Following is a list of microcentrifuge tubes compatible with the guava easyCyte HT System.

NOTE: Snap-cap tubes can be used in place of the 1.5-mL screw-cap tubes (for washing and cleaning) if the caps are cut off.

Microcentrifuge Tubes	Catalog Number
0.5-mL microcentrifuge tubes (free-standing with screw cap) - used for samples - dead volume of ~75 µL	VWR 16466-036 (guava 1000-2990)
1.5-mL microcentrifuge tubes (conical bottom, no screw cap) 1.5-mL microcentrifuge tubes (conical bottom, screw cap) 1.5-mL microcentrifuge tubes (round bottom, screw cap) - used for cleaning and when washing the capillary and mixer	VWR 16466-030 (guava 1000-0780) VWR 89004-288 VWR 60872-324
screw caps	VWR 89004-346

Microplate Minimum Assay Volumes

Dead Volumes:

round-bottom plate	~50 µL
flat-bottom plate	~75 µL
V-bottom plate	~25 µL

Assay Volumes:

dead volume + 50 µL (at 200 cells/µL)



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