

Application example	Vessel Type	Used materials	max. g-force	Special need in centrifuges
PCR	Single tubes and 8-tube strips	PP	10,000 x g	Adapters for the single tubes and 8-tube strips
	96-well PCR plates	PP PC	4,000 x g	Plate adapter and swing-out rotor
Cell biology	Cell culture plates (6 to 96 wells)	PS	2,500 x g	Plate adapter and swing-out rotor
	Cell culture flask	PC	2,250 x g	Swing-out rotor and specific adapter
	Conical tubes (15 and 50 mL)	PP	19,500 x g	Adapter for conical tubes
Molecular biology (e.g., Nucleic acid/ Protein extraction and purification)	Microtest tube (0.5, 1.5, 2.0 mL)	PP	30,000 x g	–
	5.0 mL tubes	PP	25,000 x g	Specific adapter
	Filter plates 96 wells	varying	1,000 x g	Plate adapter and swing-out rotor
	Deep-well plates (96 to 384 wells)	PP	6,000 x g	
	Microtestplates (96 to 384 wells)	PP	6,000 x g	
Pelleting yeast/ bacterial cultures	High speed centrifugation vessels (SS34)	PA	108,000 x g	Large benchtop centrifuge or floor-standing centrifuge
	250 mL conical vessel	PP	6,000 x g	
	250-1,000 mL flat bottom vessels	PP	14,000 x g	
Increase concentration of macromolecules (e.g., proteins)	Vessel for ultrafiltration	varying	3,000 – 4,000 x g	Adapter for conical tubes
Downspinning	Cryo vials	PP	17,000 x g	Fixed-angle rotor
	HPLC vials	Glass	3,500 x g	
Blood diagnostics	Blood sample tubes: "Monovettes"; "Vacutainers"	PP	1,8500 – 3,300 x g	Swing-out rotor

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