



Applications of Dynamica Bench-top highspeed refrigerated centrifuges

A wide range of centrifugation and purification is achieved with various functions, rotors, and ease of operation.

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Biologics	Application	Rotor								
		FA12A	FA18A	FA15B	FA15D	FA15C,10B	FA15P	FA15A,18B	SW5,SW4A	SW5MP
Proteins	Ammonium sulfate precipitates (10,000)×g		✓	✓	✓	✓				
	Centrifugal Filtration (kit)	✓	✓	✓	✓	✓		✓	✓	
	Sucrose gradient separation		✓	✓	✓	✓				
DNA/RNA	Alcohol precipitation 10000×g		✓	✓	✓	✓				
	MP minipreps 3,000~5,000×g									✓
	Fragment pelleting (12,000~15,000) ×g	✓	✓	✓	✓	✓	✓	✓		
	PCR(10,000~15,000)×g	✓					✓	✓		
	Purification by kit (8,000~15,000)×g	✓					✓	✓		
Nucleic	Pelleting (600×g,15min)		✓	✓	✓	✓			✓	
Mitochondria	Pelleting(10,000×g,30min),Percoll gradient(15,000×g)		✓	✓	✓	✓				
Plasma menbrane	Pelleting(3~20µm sheets) 2,000×g,20min,Percoll gradient (10,000×g)		✓	✓	✓	✓				
Lysosomes	Pelleting10,000×g (0.8µm)		✓	✓	✓	✓				
Peroxisomes	Pelleting10,000×g (0.8µm)		✓	✓	✓	✓				
Golgi apparatus	Pelleting3,000×g(>1µm)		✓	✓	✓	✓			✓	
Cell	Bacteria and mammalian cells pelleting		✓	✓	✓	✓			✓	
	Nycodenz,metrizamide gradient		✓	✓	✓	✓			✓	
Blood	Pelleting		✓	✓	✓	✓				
	Plasma protein precipitation		✓	✓	✓	✓			✓	
	Blood component separation								✓	
	Blood cell isolation (Percoll,Ficoll,Nycodenz ,metrizamide,gradient)		✓	✓	✓	✓			✓	
Lysate and Tissue Homgenates	Pelleting		✓	✓	✓	✓			✓	
Viruses	PEG precipitates		✓	✓	✓	✓				