

TUBE MATCH – WHAT FITS INTO WHERE? BIOSEPARATORS BY MILLIPORE

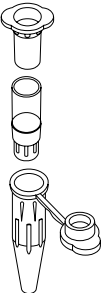
Millipore¹ manufactures a wide range of products which have to be centrifuged to carry out the sample preparation process. In this application note we detail the recommended Heraeus centrifuges, rotors

and adaptors for many Millipore products. If you have any questions with regard to using the Suprafuge[®] 22, or the Cryofuges[®] 6000i/8500i, please contact the Centrifuge Product Management².

¹ Germany, Eschborn (Tel. +49/6196/494-0, Fax -163)

² Germany, Osterode (Tel. +49/5522/316-236 or 242, Fax -269)

MICROCON AND MICROPURE

Centrifugation requirements		RCF (g)	Rotor type	
Microcon		14,000	FW	
Micropure		14,000	FW	
Applications	Centrifuge	Rotor type*	Rotor Order No.	No. per run
	Biofuge [®] pico/fresco/vito	FW 24 x 2 ml	75003325	24
	Labofuge [®] 400/400R	FW 24 x 2 ml	75007599	24
	Biofuge [®] primo/primo R	FW 24 x 2 ml	75007593	24
		FW 18 x 2 ml	75003042	18
		FW 24 x 2 ml	75003332	24
	Biofuge [®] 15R/22R/28 RS**	FW 24 x 1.5 ml	75003331	24
	Biofuge [®] stratos	FW 18 x 2 ml	75003041	18
	Megafuge [®] 1.0R/2.0R			

* Rotor types: FW fixed angle rotor, AS swing-out rotor, TR sealed rotor

** These centrifuges are no longer available

CENTRICON

Centrifugation requirements		RCF (g)	Rotor type		
Centricon	3, SR3	7,500	FW		
	10, 30, 50	5,000	FW		
	100	1,000	FW		
Applications	Centrifuge	Rotor type*	Rotor Order No.	Adaptor Order No.	No. per run
	Biofuge [®] primo/primo R	FW 6 x 50 ml	75007590	76002906	6
	Biofuge [®] 22 R/28 RS**	FW 24 x 15 ml	75003747 ²	–	24
		FW 16 x 16 ml	75003744 ¹	–	16
		FW 8 x 50 ml	75003746 ¹	76002904	8
		FW 6 x 94 ml	75003745 ¹	76002906	6
	Biofuge [®] stratos	FW 6 x 50 ml	75003046	76002906	6
		FW 16 x 16 ml	75003336	–	16
		FW 8 x 50 ml	75003335	76002904	8
		FW 6 x 94 ml	75003334	76002906	6
	Labofuge [®] 400/400 R	FW 18 x 15 ml	75008178	–	18

* Rotor types: FW fixed angle rotor, AS swing-out rotor, TR sealed rotor

¹ Can only be used without rotor lid

** These centrifuges are no longer available

² Not suitable for Centricon 3 and SR 3



CENTRICON PLUS-20

Centrifugation requirements		RCF (g)	Rotor type			
Centricon Plus-20		4,000	AS			
Applications	Centrifuge	Rotor type*	Rotor Order No.	Bucket Order No.	Adaptor Order No.	No. per run
	Biofuge® stratos	AS 4 x 180 ml	75003047	75008172	75008183 ¹	4
	Labofuge® 400 R	AS 4 x 180 ml	75008179	75008172	75008183 ¹	4

* Rotor types: FW fixed angle rotor, AS swing-out rotor, TR sealed rotor

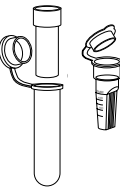
¹ Remove Falcon padding! To recover residue, remove yellow reducing sleeve!

CENTRICON PLUS-80

Centrifugation requirements		RCF (g)	Rotor type			
Centricon Plus-80		3,500	AS			
Applications	Centrifuge	Rotor type*	Rotor Order No.	Bucket Order No.	Adaptor Order No.	No. per run
	Megafuge® 1.0/1.0R	AS 4 x 400 ml	75002704	75007570	75007582	4
	Megafuge® 2.0R	AS 4 x 500 ml	75008155	75008160	75008144	4
	Varifuge® 3.0R	AS 4 x 750 ml	75008074	75008080	75008144	4

* Rotor types: FW fixed angle rotor, AS swing-out rotor, TR sealed rotor

ULTRAFREE MC AND ULTRAFREE 0,5

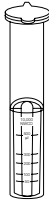
Centrifugation requirements		RCF (g)	Rotor type		
Ultrafree MC	UF membrane	5,000	FW		
	other membranes	12,000	FW		
Ultrafree 0,5	Biomax 100	10,000	AS or FW		
	other membranes	12,000	AS or FW		
Applications	Centrifuge	Rotor type*	Rotor Order No.	No. per run	
	Biofuge® pico/fresco/vito				
	Labofuge® 400/400R	FW 24 x 2 ml	75003325	24	
	Biofuge® primo/primo R	FW 24 x 2 ml	75007599	24	
		FW 24 x 2 ml	75007593	24	
	Biofuge® 15 R/22R/28RS**	FW 18 x 2 ml	75003042	9	
	Biofuge® stratos	FW 24 x 2 ml	75003332	24	
		FW 24 x 1.5 ml	75003331 ¹	24	
	Megafuge® 1.0R/2.0R	FW 18 x 2 ml	75003041	9	

* Rotor types: FW fixed angle rotor, AS swing-out rotor, TR sealed rotor

** These centrifuges are no longer available

¹ Not suitable for Ultrafree 0.5

ULTRAFREE 4¹

Centrifugation requirements		RCF (g)	Rotor type			
Ultrafree 4	Biomax 100	5,000	AS or FW			
	other membranes	7,500	AS or FW			
Applications	Centrifuge	Rotor type*	Rotor Order No.	Bucket Order No.	Adaptor Order No.	No. per run
	Biofuge® primo/primo R	FW 6 x 50 ml	75007590	–	75003095	6
	Biofuge® stratos	FW 6 x 50 ml	75003046	–	75003095	6
		AS 4 x 180 ml	75003047	75008172	75008187	12
	Megafuge®					
	1.0/1.0R/2.0/2.0R	TR 4 x 100 ml	75003360	–	75005388	16
	Megafuge® 3.0R					
	Varifuge® 3.0/3.0R	TR 8 x 150 ml	75005315	–	75005388	32

* Rotor types: FW fixed angle rotor, AS swing-out rotor, TR sealed rotor

¹ Collector tubes may vary in length. In the case of out-swing rotors, therefore, check that there is enough swing-out space before beginning centrifugation.

ULTRAFREE 15

Centrifugation requirements		RCF (g)	Rotor type			
Ultrafree 15		2,000	AS or FW			
Applications	Centrifuge	Rotor type*	Rotor Order No.	Bucket Order No.	Adaptor Order No.	No. per run
	Biofuge® primo/primo R	FW 6 x 50 ml	75007590	–	75003096 ²	6
	Biofuge® 15R/22R/28RS**	FW 4 x 50 ml	75003751	–	75005256 ²	4
	Biofuge® stratos	FW 6 x 50 ml	75003046	–	75003096 ²	6
		AS 4 x 180 ml	75003047	75008172	75008183	4
	Labofuge® 400/400R	AS 4 x 180 ml	75008179	75008172	75008183	4
	Megafuge® 1.0/1.0R	AS 4 x 400 ml	75002704	75008030	75005386	8
				75002252	75005386	8
				75007570	75007577	12
	Megafuge® 2.0/2.0R	AS 4 x 500 ml	75008155	75008160	75008141	16
	Megafuge® 3.0R	AS 4 x 750 ml	75008074	75008078	75005386	16
	Varifuge® 3.0/3.0R			75008080	75008141	16

* Rotor types: FW fixed angle rotor, AS swing-out rotor, TR sealed rotor

** These centrifuges are no longer available

¹ Collector tubes may vary in length. In the case of swing-out rotors, therefore, check that there is enough swing-out space before beginning centrifugation.

ULTRAFREE CL

Centrifugation requirements		RCF (g)	Rotor type		
Ultrafree CL		5,000	FW		
Applications	Centrifuge	Rotor type*	Rotor Order No.	Adaptor Order No.	No. per run
	Biofuge® primo/primo R	FW 6 x 50 ml	75007590	on request	6
	Biofuge® 22 R/28 RS**	FW 8 x 50 ml	75003746	on request	8
		FW 6 x 94 ml	75003745	on request	6
		FW 6 x 50 ml	75003046	on request	6
	Biofuge® stratos	FW 8 x 50 ml	75003335	on request	8
		FW 6 x 94 ml	75003334	on request	6

* Rotor types: FW fixed angle rotor, AS swing-out rotor, TR sealed rotor

** These centrifuges are no longer available

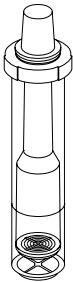
CENTRIPLUS

Centrifugation requirements		RCF (g)	Rotor type			
Centriplus		3,000	AS or FW			
Applications	Centrifuge	Rotor type*	Rotor Order No.	Bucket Order No.	Adaptor Order No.	No. per run
	Biofuge® primo/primo R	FW 6 x 50 ml	75007590	–	30146	
	Biofuge® 15R/22R/28RS**	FW 4 x 50 ml	75003751	–	–	4
	Biofuge® 22R/28RS**	FW 8 x 50 ml	75003746	–	–	8
		FW 6 x 94 ml	75003745	–	75003014	6
	Biofuge® stratos	AS 4 x 180 ml	75003047	75008172	75008183	4
		FW 6 x 50 ml	75003046	–	75003014	6
		FW 8 x 50 ml	75003335	–	–	8
		FW 6 x 94 ml	75003334	–	75003014	6
	Labofuge® 400R	AS 4 x 180 ml	75008179	75008172	75008183	4
	Megafuge® 1.0/1.0R	AS 4 x 400 ml	75002704	75008030	75005389	8
				75002252	75005389	8
				75007570	75007577	12
	Megafuge® 1.0/1.0R/2.0/2.0R	TR 4 x 100 ml	75003360	–	75005389	8
	Megafuge® 2.0R	AS 4 x 500 ml	75008155	75008160	75008141	16
	Varifuge® 3.0/3.0R	AS 4 x 750 ml	75008074	75008080	75008141	16
		TR 8 x 150 ml	75005315	–	75005389	16

* Rotor types: FW fixed angle rotor, AS swing-out rotor, TR sealed rotor

** These centrifuges are no longer available

CENTRIPREP

Centrifugation requirements		RCF (g)	Rotor type			
Centrifuge	3, 10, particle separator	3,000	AS or FW			
	30, 50	1,500	AS or FW			
Applications	Centrifuge	Rotor type*	Rotor Order No.	Bucket Order No.	Adaptor Order No.	No. per run
	Biofuge® primo/primo R	FW 6 x 50 ml	75007590 ²	–	75003014	3
	Biofuge® 22 R/28 RS**	FW 8 x 50 ml	75003746 ¹	–	–	4
		FW 6 x 94 ml	75003745 ¹	–	75003014	6
	Biofuge® stratos	AS 4 x 180 ml	75003047	75008172	75008183 ³	4
		FW 6 x 50 ml	75003046 ²	–	–	3
	Labofuge® 400/400R	AS 4 x 180 ml	75008179	75008172	75008183 ³	4
	Megaforce® 1.0/1.0R	AS 4 x 400 ml	75002704	75008030	75005389	8
				75007570	75007577 ³	12
	Megaforce® 2.0*/2.0R	AS 4 x 500 ml	75008155	75008160	75008141 ³	16
	Megaforce® 3.0R*	AS 4 x 750 ml	75008074	75008078 ⁴	75005389	8
	Varifuge® 3.0*/3.0R			75008080	75008141 ³	16
	Megaforce® 3.0R	TR 8 x 150 ml	75005315	–	75005389	16
	Varifuge® 3.0/3.0R					

* Rotor types: FW fixed angle rotor, AS swing-out rotor, TR sealed rotor

¹ Without rotor lid

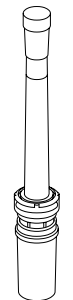
² Without rotor lid up to a maximum of 3,000 g. All positions must be charged with exactly the same weight of material

** These centrifuges are no longer available

³ Remove Falcon padding

⁴ Can only be used with Centrifuge 30 and 50

CENTRIFREE AND MPS

Centrifugation requirements		RCF (g)	Rotor type			
Centrifree		2,000	FW			
MPS		2,000	FW			
Applications	Centrifuge	Rotor type*	Rotor Order No.	Bucket Order No.	Adaptor Order No.	No. per run
	Biofuge® primo/primo R	FW 6 x 50 ml	75007590	–	76002906	6
	Biofuge® 22R/28RS**	FW 24 x 15 ml	75003747	–	–	24
		FW 16 x 16 ml	75003744	–	–	16
		FW 8 x 50 ml	75003746	–	76002904	8
		FW 6 x 94 ml	75003745	–	76002906	6
	Biofuge® stratos	FW 16 x 16 ml	75003336	–	–	16
		FW 8 x 50 ml	75003335	–	76002904	8
		FW 6 x 94 ml	75003334	–	76002906	6
		FW 6 x 50 ml	75003046	–	76002906	6
	Labofuge® 200/300	FW 12 x 15 ml	75003760	–	75003763	12
					+76003266	
	Labofuge® 400/400R	FW 18 x 15 ml	75008178	–	–	18

* Rotor types: FW fixed angle rotor, AS swing-out rotor, TR sealed rotor

** These centrifuges are no longer available

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Heraeus

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