AFI presents

THE GENERATION

LOREENA

MULTILAB CENTRIFUGES 4l

From Experience comes Excellence



2026

AFI Centrifuge

AFI CENTRIFUGE

UNIQUE FRENCH MANUFACTURER

AFI Centrifuge, the only French manufacturer based in Château-Gontier in FRANCE, has been designing and manufacturing innovative centrifuges since 2009. AFI centrifuges have been designed to meet the needs and requirements of medical analysis laboratories, research laboratories, veterinary laboratories, hospitals, etc.

Offering a wide variety of rotors and accessories, the user will have at his disposal all the solutions to meet the required protocols. Available in both ventilated and refrigerated versions, AFI centrifuges are designed to be used with all types of tubes, vials and bottles available on the market.

With more than 20 years of experience in the field of biomedical engineering, electronics and electromechanics, AFI presents today a wide range of versatile and innovative centrifuges



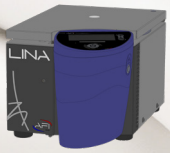
Philippe LE GUYADER

RANGE



LIA
Micro Centrifuges*

Mini, Micro & Labo



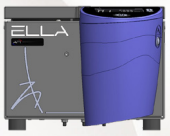
LINA
Research Centrifuge

Micro & multifonction



SIRENA
Centrifuge MultiLab

0.6 L



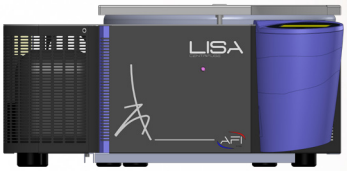
ELLA
Clinical Centrifuge

0,4 L



ISA
Clinical centrifuge

0.6 L



LISA
Centrifuge MultiLab

1.0 L à 2.5 L



LOREENA
Centrifuge MultiLab

1.6 L à 4 L



KATRINA
High Capacity Centrifuge

12 L

REGINA
High Capacity Centrifuge

16 L

*OEM products

AFI range overview

LIA

Rotor 24 micro tubes
15 000 Rpm/ 21 380 x g
Ventilated & Refrigerated
8 rotors

LINA

Rotor 48 micro tubes
Rotor 6x 50mL
Rotor 6 Micro plates
21 500 Rpm/ 34 626x g
Ventilated & Refrigerated
11 rotors

SIRENA

24-36 tubes 5/7 mL
6x 100mL
18 000 Rpm/ 31514 x g
Refrigerated
Interactive communication
Touch screen, 99 programs,
17 rotors

ELLA

40 tubes 5/7mL
6000 Rpm/ 4709 x g
Ventilated
Touch screen, 99 programs.

ISA

40 tubes 5/7 mL
6700 Rpm/ 6324 xg
Ventilated, Refrigerated, Reversible
Touch screen, 99 programs.
11 rotors

Micro
Research centers

Performance
Research centers/ Universities

Compact
Small laboratories











AFI Centrifuge

REGINA

16 Liters
3800 Rpm/ 4940 x g
Floor Refrigerated
Interactive communication, Touch screen,
Integral

KATRINA

12 Liters
4900 Rpm/ 7301 x g
Floor refrigerated
Interactive communication, Touch screen,
Integral, 6 Rotors

High Capacity
Blood bank center / Industry





AFI Centrifuge

LOREENA

108- 200 tubes 5/7 mL / 12x 50 mL
16000 Rpm/ 28 335x g
Ventilated, Refrigerated & Floor Reversible
Interactive communication,
Click Spin, Touch screen,
15 Rotors

Routine
Hospitals/ Medical analysis laboratories



LISA

60-92 tubes 5-7 mL/ 8x100mL
18 000 Rpm/ 31514 x g
Ventilated, Refrigerated et Reversible
Interactive communication
Click Spin, Touch screen,
18 Rotors

LOREENA

Multilab Centrifuge ROUTINE-LINE

MINIMIZED FOOT PRINTS, MAXIMIZED ERGONOMOCS

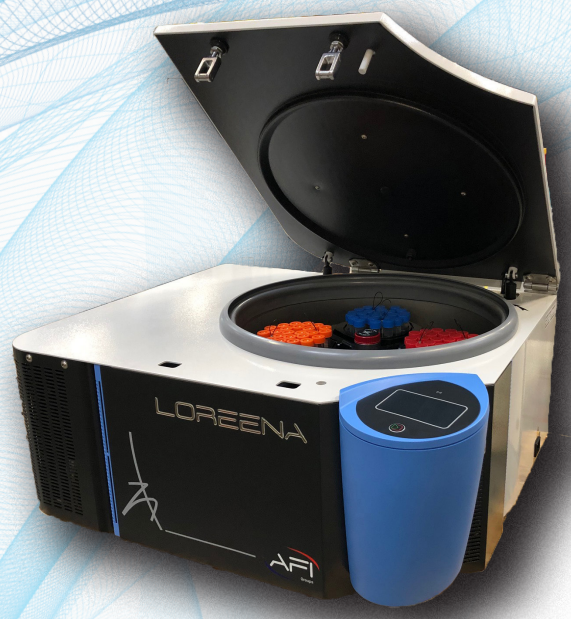
Very compact and with a small footprint LOREENA will help you to Saves space in your laboratory The floor machines have a suitable height for a comfortable use. By design, a front foot passage allows an approach as close as possible to the tank, thus minimizing back curvatures during sample loading/ unloading

ROUTINE LINE

With its large capacity (200 tubes 5/7mL) and high speeds, LOREENA brings you remarkable qualities for the routine processing of your samples. Safe, simple and comfortable operation on a daily basis.

VERSATILITY AND HIGH CAPACITY

Thanks to its versatility and high capacity, LOREENA can also guarantee optimal centrifugation for Biochemistry with its 4 x 1 Liter bottles and his various standard tube adapters.



Centrifuge	Description
AFI-C300R-E	LOREENA Centrifuge Refrigerated
AFI-C300RF-E	LOREENA Centrifuge Refrigerated-Floor Model
AFI-C300RH-E	LOREENA Centrifuge Heated
AFI-C300RFH-E	LOREENA Centrifuge Heated-Floor Model

Specifications	Swing-out rotor	Angular Rotor
Max Speed	4600rpm	16000rpm
Max RCF	4731g	28198g
Max Loading	4x1000ml	6x250ml
T° Range	-20°C/+40°C	
Dim. (HxWxD)	35x77x64cm (Floor Model 83x57x68cm)	
Pack dim.	54x80x78cm (Floor Model 100x74x78cm)	
Weight	145kg (Floor Model 170kg)	



Reversible centrifuge Refrigerated & heated

Thanks to its red electronic block, you'll immediately notice the new range of heated centrifuges with reversible technology.

Its reversible refrigeration unit maintains a constant & precise temperature for protocols at 37°C or 4°C (+/- 2°C)

Its ultra-fast temperature rise (less than 9 minutes from ambient to 37°C) and fall (less than 6 minutes from ambient to 4°C) mean it can be used for a wide variety of applications in medical analysis laboratories (cryoglobulins), cosmetics laboratories and industry.

Finally, the pre-cooling and pre-heating functions are programmed as standard at 4°C and 37°C.

However, these can be modified to create your own programmes. (e.g. pre-cooling to 10°C or pre-heating to 30°C)

More efficient reversible technology, without heating resistor.

NEW



Centrifuge	Description	
AFI-C300RH-E	LOREENA Centrifuge Heated	
AFI-C300RFH-E	LOREENA Centrifuge Heated-Floor Model	
Specifications	**Swing-out rotor**	**Angular Rotor**
Max Speed	4600rpm	16000rpm
Max RCF	4731g	28198g
Max Loading	4x1000ml	6x250ml
T° Range	-20°C/+40°C	
Dim. (HxWxD)	35x77x64cm (Floor Model 83x57x68cm)	
Pack dim.	54x80x78cm (Floor Model 100x74x78cm)	
Weight	145kg (Floor Model 170kg)	



ULTRA FAST temperature rise
< 9 mn from 20°C to 37°
< 7 mn from 20°C to 4°C

Our best seller centrifuge since 2017

NEW CLICK SPIN

NEW

The Best flexibility system to change accessories without tool

INTERNATIONAL AUTOMATIC ELECTRICAL CORRECTION

International automatic correction of the electrical network. Guarantees stability of the machine's performance.

INTERACTIVE DISPLAY

With its large touch screen and icons, LISA will help you to get started with the machine.

A real pleasure of simplicity.

Its major assets

6 reasons to choose it

You too will be amazed by this ultra-quiet centrifuge. Let yourself be surprised!

ULTRA SILENT CENTRIFUGE

Centrifuge's electronic functions integrated into a front central unit. Plug & play system guaranteeing a fast and efficient intervention

THE BLUE BOX

You can set up your own programs, name it, lock it, choose slope rate, set up your own user preferences.

CUSTOMIZABLE PROGRAM

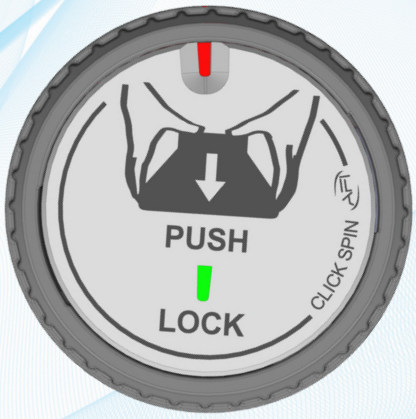
NEW CLICK SPIN with visual lock indicator



Check:

- The red light indicates that the rotor is not securely locked

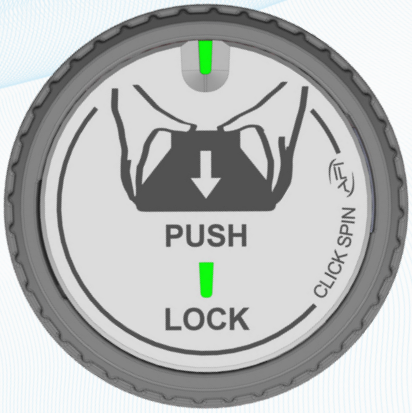




Ready:

- The green light indicates that the rotor is successfully locked
  => Safe centrifugation





- Click Spin available on Multilab centrifuges (SIRENA, LISA, LOREENA)



	SMALL	MEDIUM	LARGE
Ref.	**AFI-MT550**	**AFI-MT750**	**AFI-MT850**
Dimensions wxhxd (mm)	550x560x700	750x560x700	850x560x700
	2 tiroirs, 4 roulettes avec frein / 2 drawers, 4 wheels with brake		
LINA V	✓		
LINA R	✓		
ISA V	✓		
ISA R	✓		
SIRENA	✓		
LISA V	✓		
LISA R		✓	
LOREENA V		✓	
LOREENA R			✓

We offer you a range of AFI furniture dedicated to your centrifuges.

These furniture have been designed to last.
They are reinforced with a metal frame to ensure robustness.

They are equipped with 4 castors with brakes for more mobility and flexibility in your laboratory.

The large drawers allow you to place all your accessories.

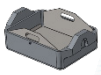
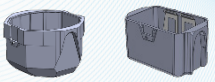
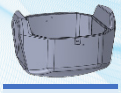
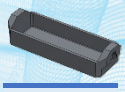
These furniture are for you !

Notes

Swinging bucket rotors

Accessories selection guide



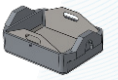
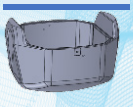
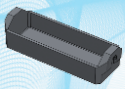
LOREENA ACCESSORIES	AFI-RX750		AFI-RHD3	AFI-RX1000		AFI-RX1000-NEO	AFI-RH-RA
							
LOREENA ACCESSORIES	**AFI-B750**	**AFI-BXDW3**	**AFI-BHD3**	**AFI-B1L**	**AFI-BXDW4**	**AFI-B1000-NEO**	**AFI-BH-RA**
Max Capacity (ml)	4x750mL	20 Microplates	28 Microplates	4x 1000mL	24 Microplates	4x 1000mL	
Max Charge (gr)	1000	800	1500	1750	950	1750	1500
Max Speed (rpm)	4 600	4 600	4 600	3 500	4 200	4 200	4 000
Max RCF (g)	4 731	3 951	3 880	2 821	3 826	3 589	2 755
Cavity dim (ØxD) or (WxLxD)	Ø102x105	94x132x57	135x175x46	128x135x100	90x132x88	129x135x82	90x259x46
Lid	✓		✓	✓	✓	✓	
Acc/ Dec (s)	86 | 68	74 | 62		86 | 68	72 | 70		

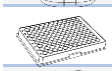
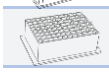
Tubes	ml	Ø x L							
	**1,1-1,4**	8x82	82	-	-	260	-	300	-
	**1,5-2**	11x38	224	-	-	200	-	400	-
	**1,5-2**	12,5x40	132	-	-	260	-	488	-
	**1,3**	10x45	-	-	-	-	-	488	
	**1,6-5**	13x75-100	108	-	96	200	-	200	-
	5-7	13x100	108	-	-	200	-	200	-
	**2,6-4,9**	13x81-106	108	-	-	200	-	200	-
	**1,2-5**	11x82-108	108	-	-	200	-	200	-
	**4-8,5**	15x91-108	84	-	-	156	-	156	-
	7-10	16x100	84	-	-	156	-	156	-
	**10**	21x90	52	-	-	92	-	100	-
	14	16x100	52	-	-	-	-	104	
	**15**	17x120	56	-	-	19 | 24*	-	96	-
	**30**	25x110	28	-	-	40	-	40	-
	**30**	25x110	20	-	-	56	-	56	-
	**30**	25x95	28	-	-	56	-	56	-
	**50**	29x115	24 | 28*	-	-	28	-	36	-
	**50**	29x115	24	-	-	40	-	40	-
	**50**	29x107	28	-	-	40	-	56	-
	**80 AOR** **AFI-T-PPCO80AOR**	38X105	16	-	-	24	-	28	-
	**80 OAK** **85 OAK**	38x106	16	-	-	24	-	28	-
	**80** **100**	44x100|127	8	-	-	16	-	16	-

* Unsealed

Centrifuge

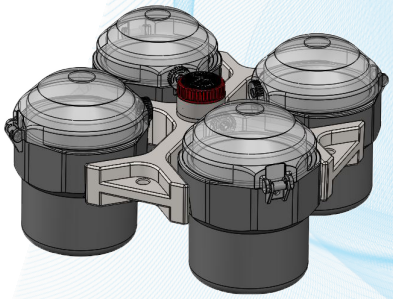


LOREENA ACCESSORIES	AFI-RX750		AFI-RHD3	AFI-RX1000		AFI-RX1000-NEO	AFI-RH-RA
							
LOREENA ACCESSORIES	**AFI-B750**	**AFI-BXDW3**	**AFI-BHD3**	**AFI-B1L**	**AFI-BXDW4**	**AFI-B1000-NEO**	**AFI-BH-RA**
Max Capacity (ml)	4x750mL	20 Microplates	28 Microplates	4x 1000mL	24 Microplates	4x 1000mL	
Max Charge (gr)	1000	800	1500	1750	950	1750	1500
Max Speed (rpm)	4 600	4 600	4 600	3 500	4 600	4200	4 600
Max RCF (g)	4 731	3 856	3 880	2 821	4 589	3589,31664	3 643
Cavity dim (ØxD) or (WxLxD)	Ø102x105	94x132x57	135x175x46	128x135x100	90x132x88	129x135x82	90x259x46
Lid	✓		✓	✓	✓	✓	
Acc/ Dec (s)	86 | 68	74 | 62		86 | 68	72 | 70		

Bottles	ml	Ø x L							
	**150** FALCON	61x118	4	-	-	8	-	8	-
	**200** FALCON	61x138	4	-	-	8	-	8	-
	**200 AFI-B-PPCO200C**	56x118	4	-	-	8	-	16	-
	**200** NUNC/NALGENE	60x130	4	-	-	8	-	8	-
	**200 AFI-B-PPCO200F**	56x112	4	-	-	8	-	16	-
	**250** CORNING	60x163	4	-	-	8	-	8	-
	**250**	65x115	4	-		8			
	**250 AFI-B-PPCO250F**	62x122	4	-	-	8	-	8	-
	**290 AFI-B-PPCO290F**	62x137	4	-	-	8	-	8	-
	**500** CORNING	96x148	4	-	-	4	-	4	-
	**500 AFI-B-PPCO500F**	98X114	4	-		4		4	
	**625 AFI-B-PPCO625F**	92x130	4	-	-	4	-	4	-
	**750 AFI-B-PPCO750F**	92x130	4	-	-	4	-	4	-
	**750 AFI-B-PPCO750FB**	100x130	-	-	-	4	-	4	-
	**950 AFI-B-PPCO950F**	100x154	-	-	-	4	-	4	-
	**1000** THERMO	100/126x140	-	-	-	-	-	4	-
	**Micro Plates**		-	20	28	-	24	24	-
	**Deep Well**		-	4	4	-	4	4	-

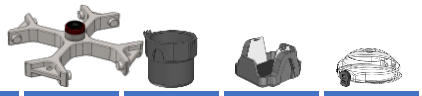
AFI-RX750

Adapters selection guide



Model	V	R
Max Capacity	4 x 750ml	
Angle	90°	
RPM Max	4 500	4 600
ACR Max	4 528	4 731

Accessories



Ref.	AFI-RX750	AFI-B750*	AFI-BXDW3	AFI-L750*

* Set of 4, possibility set of 2

Tubes



Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-7	2,6-4,9	1,2-3	4-8,5	7-10	10 CPT	10	14	15
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75|100	13x81|106	11x82	15x91|108	16x100	16x125	21x90	16x100	17x120
Tubes per adapter / rotor	33|132	56|224	33|132	40|160	27|108		37|148	21|84		8|32 (L)	13|52	13|52	14|56

Adapter



Hole Ø x L(mm)	9x50	11,25x40	13x30	11x40	13,5x58		12,5x55	17x58		17x58	22x80	17x78	18x80
Radius 200	198	140/195	180	190	198		195	198		178	200	198	198
Max Charge (gr) 1000													
Ref.	**AFI-3T1**	**AFI-3T2**	**AFI-3T2CRYO**	**AFI-3T1.3**	**AFI-3T5***		**AFI-3T5ST***	**AFI-3T10**			**AFI-3T10C**	**AFI-3T14**	**AFI-3T15C**

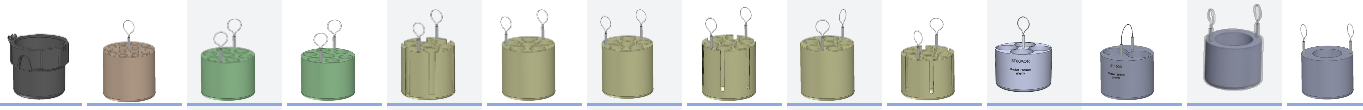
* For tube lenght > 80mm and ACR > 3000g, we preconise using adapter AFI-3T6 or AFI-3T6ST

Tubes



	SARSTEDT									AFI-T-PPCO80AOR		FALCON	AF1-B-PPCO200C
Capacity (ml)	15	30	30	50	50	50	50	50	50	80	80| 100	150|200	200
Ø x L (mm)	17x120	25x110	25x110	29x115	29x115	29x115	29x115	29x115	29x107	38x110	44x100|127	61x118|138	56x118
Tubes per adapter / rotor	16|64	7|28	5|20	7|28	6|24	6|24	7|28	6|24	7|28	4|16	2|8	1|4	1|4

Adapter



Hole Ø x L(mm)	18x80	26x60	26x60	30x70	30x70	30x70	30x70	30x70	30x70	40x78	46x80	62x80	58x80
Radius 200	198	195	198	198	198	198	198	185/200	198	198	198	182	200
Max Charge (gr) 1000													
Ref.	**AFI-3T15ST**	**AFI-3T30S**	**AFI-3T30C**	**AFI-3T50S**	**AFI-3T50SL**	**AFI-3T50CSL***	**AFI-3T50C**	**AFI-3T50CL**	**AFI-3T50AOR**	**AFI-3T80AOR**	**AFI-3T100R**	**AFI-3T200CF**	**AFI-3T200C**

* For protocols < 3500g

Tubes



	NUNC / NALGENE	AFI-B-PPCO200F	CORNING		AFI-B-PPCO250F	AFI-B-PPCO290F	CORNING	AFI-B-PPCO500F	AFI-B-PPCO625F	AFI-B-PPCO750F	AFI-B-PPCO750FB
Capacity (ml)	200	200	250	250	250	290	500	500	625	750	750
Ø x L (mm)	60x130	56x112	60x163	65x115	62x122	62x137	96x148	98x114	92x130	98x152	100x130
Tubes per adapter / rotor	1|4	1|4	1|4	1|4	1|4		1|4	1|4	1|4	1|4	1|4

Adapter

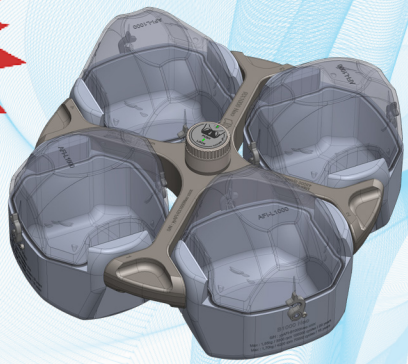


Hole Ø x L(mm)	62x80	58x80	62x103	66x103	64x80		97x103	102x102	94x85	102x102	102x102
Radius 200	200	198	198	198	182		200	200	184	200	200
Max Charge (gr) 1000											
Ref.	**AFI-3T200CN**	**AFI-3T200F**	**AFI-3T250C**	**AFI-3T250G**	**AFI-3T290F**		**AFI-3T500C**	-	**AFI-3T625F**	-	-

AFI-RX1000 NEO

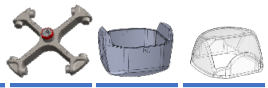
Adapters selection guide





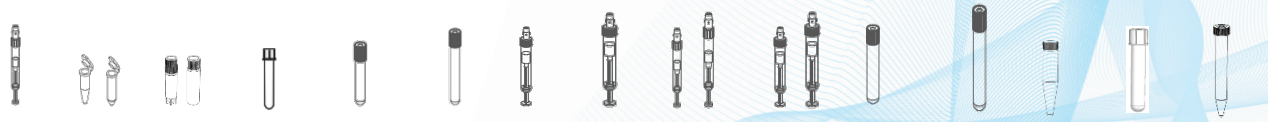
Model	V	R	RF
Max Capacity		4*1000 mL	
Angle		90°	
RPM Max	NA	3 500	4 200
ACR Max	NA	2 876	4 142

Accessories



Ref.	AFI-RX1000 NEO	AFI-B1000 NEO	AFI-L1000 NEO

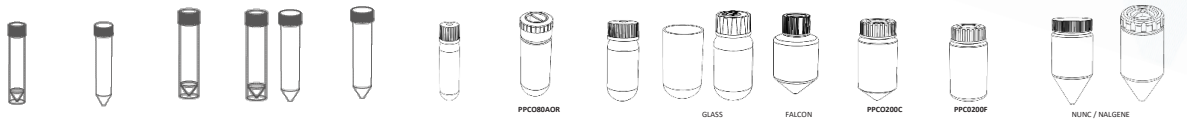
* Set of 4, possibility set of 2



Tubes

Capacity (ml)	**1,1-1,4**	**1,5-2**	**1,5-2**	**5 FACS**	**1,6-4**	**4-7**	**2,6-4,9**	**2,6-4,9**	**1,2-3**	**4-8,5**	**7-10**	**10 CPT**	**10**	**14**	**15**
Ø x L (mm)	8x82	11x38	12,5x40	12x75	13x75	13x100	13x81	13x106	11x82	15x91|108	16x100	16x125	21x90	16x100	17x120
Tubes per adapter / rotor	75 | 300	100 | 400	122 | 488	58 |232	50 | 200				75 | 300	39 | 156		15 | 60 (L) /	25 | 100	26|104	24 | 96
Adapter															
Hole Ø x L(mm)	9,5x50	11,25x40	13x30	12,5x 58	13,5x58				12,5x55	17x58			22x80	17x78	18x80
Radius 210	195	190 / 138	193 / 133	194	196				192	195			200	195	206
Max Charge (gr) 1750															
Ref.	**AFI-5T1**	**AFI-5T2**	**AFI-5T2CRYO**	**AFI-5T4.5**	**AFI-5T5**				**AFI-5T5ST**	**AFI-5T10**			**AFI-5T10C**	**AFI-5T14**	**AFI-5T15C**

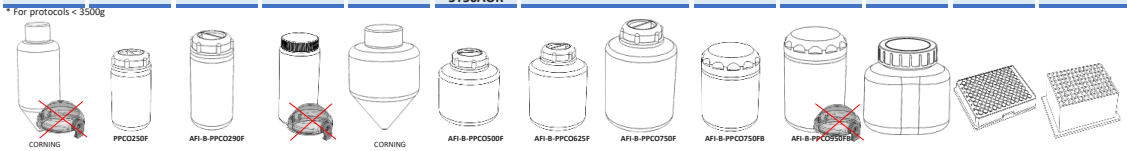
* For tube lenght > 80mm and ACR > 3000g, we preconise using adapter AFI-5T6 or AFI-5T6ST



Tubes

Capacity (ml)	**30**	**30**	**50**	**50**	**50**	**50**	**80**	**85**	**80| 100**	**150|200**	**200**	**200**	**200**	**250**	
Ø x L (mm)	25x110	25x110	29x115	29x115	29x115	29x107	38x110	38x110	44x100|127	61x118|138	56x118	56x112	60x130	60x141	
	14 | 56	14 | 56	9 | 36	9 | 36	10 | 40	14 | 56	7 | 28		4 | 16	2 | 8	4 | 16	4 | 16	2 | 8		
Adapter															
Hole Ø x L(mm)	26x60	26x70	30x70	30x70	30x70	30x70	40x78		46x80	62x80	58x80	58x80	62x80		
Radius 210	198	205	203	203	208	202	203		203	209	210	200	210		
Max Charge (gr) 1750															
Ref.	**AFI-5T30S**	**AFI-5T30C**	**AFI-5T50S**	**AFI-5T50CS***	**AFI-5T50C**	**AFI-5T50AOR**	**AFI-5T80AOR**		**AFI-5T100R**	**AFI-5T200CF**	**AFI-5T200C**	**AFI-5T200F**	**AFI-5T250CN**		

* For protocols < 3500g

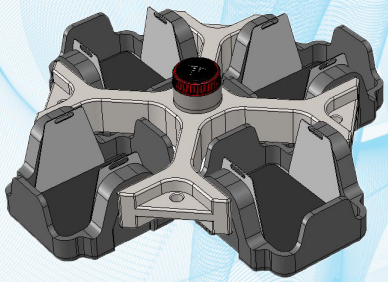


Tubes

Capacity (ml)	**250**	**250**	**290**	**500**	**500**	**500**	**625**	**750**	**750**	**950**	**1000**		
Ø x L (mm)	60x163	62x122	62x137	70x160	96x148	98x114	92x130	98x152	100x130	100x154	100/126x140		
	2 | 8	2 | 8		1 | 4	1 | 4	1 | 4	1 | 4	1 | 4	1 | 4	1 | 4	6 | 24	1 | 4
Adapter													
Hole Ø x L(mm)	62x103	64x80		72x80	97x103	100x102	94x85	100x102	102x102		102/128x80		
Radius 210	210	201		210	210	207	207	207	210		210	195	195
Max Charge (gr) 1750													
Ref.	**AFI-5T250C**	**AFI-5T290F**		**AFI-5T500F**	**AFI-5T500C**	**AFI-5T750F**	**AFI-5T625F**	**AFI-5T750F**	**AFI-5T950F**		**AFI-5T1000**	**AFI-5TMP**	

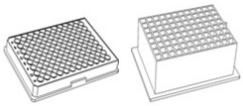
MICROPLATES

Accessories selection guide



AFI-RX750+ AFI-BXDW3 : 20 MICROPLATES

Model	V	R	
Max Capacity	-		
Angle	90°		
RPM Max	4 500	4 600	
ACR Max	3 781	3 951	



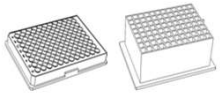
Microplate			
Capacity (ml)	-	-	-
Max Height (mm)	-	65	65
Tubes per adapter / rotor	-	5|20	1|4
Accessories			
			
Hole Ø x L(mm)	-	-	
Radius	-	167	
Max Charge (gr)		800	
Ref.	**AFI-RX750**	**AFI-BXDW3***	

* Set of 4

AFI-RX750+ AFI-BXDW3L + AFI-HLD3L-MP :12 MICROPLATES SEALED

NEW

Model	V	R		
Max Capacity	12 MPT			
Angle	90°			
RPM Max	4 500	4 600		
ACR Max	3 826	3 998		



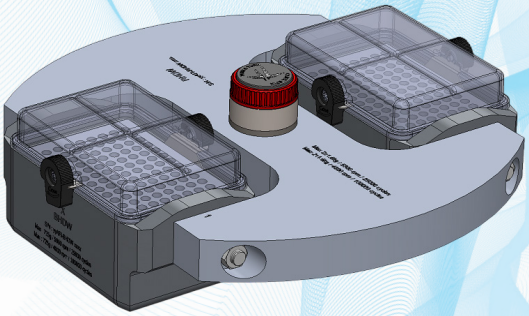
Microplate				
Capacity (ml)	-	-	-	-
Max Height (mm)	-	65	65	-
Tubes per adapter / rotor	-	3|12	1|4	-
Accessories				
				
Hole Ø x L(mm)	-	-		-
Radius	-	169		-
Max Charge (gr)		800		
Ref.	**AFI-RX750**	**AFI-BXDW3L**		**AFI-HLD3L-MP**



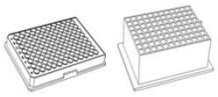
Easy to transport thanks to the carrying handle.

Lighter as sealed lid is in the adapter NOT in the bucket.

AFI-RX750+ AFI-BXDW3L + AFI-HLD3L-MP :12 MICROPLATES SEALED



Model	V	R		
Max Capacity	12 MPT			
Angle	90°			
RPM Max	4 500	4 600		
ACR Max	3 826	3 998		



Microplate				
Capacity (ml)	-	-	-	-
Max Height (mm)	-	65	65	-
Tubes per adapter / rotor	-	3|12	1|4	-
Accessories				
Hole Ø x L(mm)	-	-	-	
Radius	-	169	-	
Max Charge (gr)		800		
Ref.	**AFI-RX750**	**AFI-BXDW3L**	**AFI-HLD3L-MP**	

RACK

Accessories selection guide

AFI-RH-RA + AFI-BH-RA

Model	V	R
Max Capacity	-	
Angle	90°	
RPM Max	4 000	4 000
ACR Max	2 755	2 755

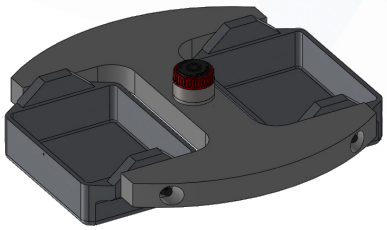


Racks				WERFEN	WERFEN
Capacity (ml)	-	-	-	-	-
Ø x L (mm)	-	-	-	-	-
Rack per adapter / rotor	-			4|8	4|8
Accessories					
Hole Ø x L(mm)	-	-		-	-
Radius	-	154		-	-
Max Charge (gr)		1500			
Ref.	**AFI-RH-RA**	**AFI-BH-RA**		**AFI-SH-RA**	**AFI-SH-RA-H**

* Set of 2

AFI-RHD3+ AFI-BHD3

Model	V	R
Max Capacity	-	
Angle	90°	
RPM Max	4 500	4 600
ACR Max	3 713	3 880





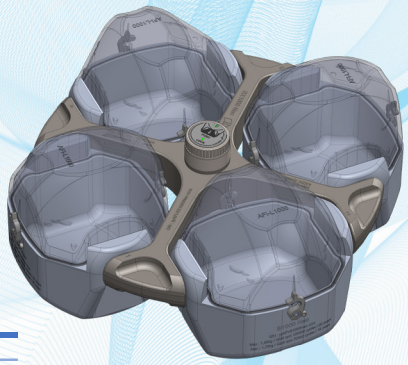



Tubes			ABBOTT	ABBOTT	ABBOTT	STAGO
Capacity (ml)	-	-	-	-	-	-
Ø x L (mm)	-	-	-	-	-	-
Tubes per adapter / rotor	-	-	-	-	-	-
Accessories						
Hole Ø x L(mm)	-	-	-	-	-	-
Radius	-	164	-	-	-	-
Max Charge (gr)		1900				
Ref.	**AFI-RHD3**	**AFI-BHD3**	**ON REQUEST**	**ON REQUEST**	**ON REQUEST**	**ON REQUEST**

* Set of 2

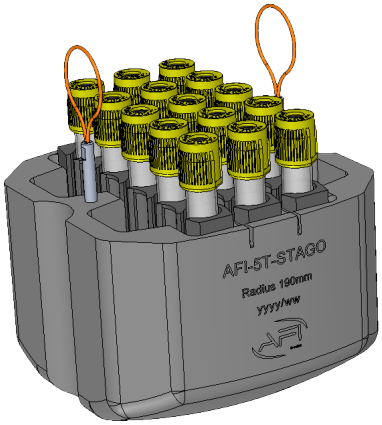
AFI-RX1000 NEO + AFI-B1000 NEO

Model	V	R
Max Capacity	-	
Angle	90°	
RPM Max	3 800	4 250
ACR Max	3 390	4 241



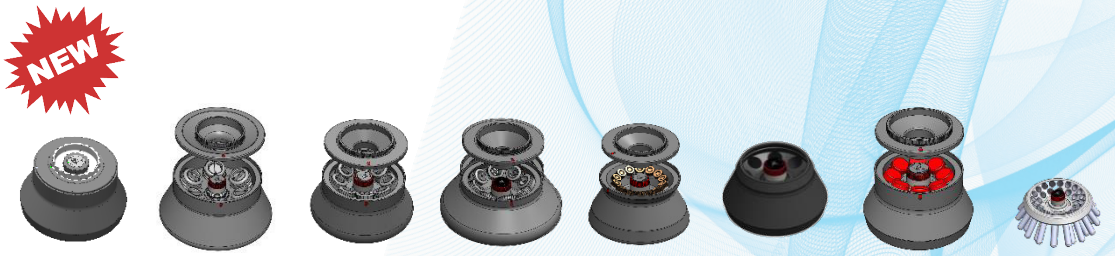


Racks				STAGO	OTHER
Capacity (ml)	-	-	-	-	
Ø x L (mm)	-	-	-	-	
Rack per adapter / rotor	-			3|12	
Accessories					
Hole Ø x L(mm)	-	-	-	-	
Radius	-	206			
Max Charge (gr)		1750			
Ref.	**AFI-RX1000 NEO**	**AFI-B 1000 NEO**	**AFI-L1000 NEO**	**AFI-5T STAGO**	**ON REQUEST**

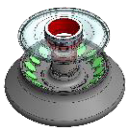


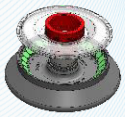
FIXED ANGULAR ROTORS

Accessories selection guide



LOREENA ACCESSORIES			AFI-RA8-50 CSL	AFI-RA6-250	AFI-RA8-100L	AFI-RA12-50L	AFI-RA14-15	AFI-RA8-50	AFI-RA8-50L	AFI-RA30-15
Max Capacity (ml)			8x50	6x250	8x100	12x50	14x15	8x50	8x50	30x15
Max Speed (rpm)			13 500	9 000	13 500	11 000	TBC	12 200	13 500	4 600
Max RCF (g)			20 783	13 131	23 432	18 398	TBC	16 973	20 783	3 336
Lid			✓	✓	✓	✓	✓		✓	
Tubes	ml	Ø x L								
	1,1-1,4	8x82	24	-	16	36	-	24	24	-
	1,5-2	11x38	24	-	32	36	-	24	24	-
	1,5-2	12,5x40	24	-	32	36	-	24	24	-
	1,3	10x45	24	-	40	36	-	24	24	
	1,6-5	13x75	8	48	16	12	14	8	8	30
	5-7	13x100	8	-	16	12	14	8	8	-
	2,6-4,9	13x81-106	8	-	16	12	-	8	8	-
	2,7-3	11x82	24	-	40	36	-	24	24	
	1,2-5	11x108	8	-	8	12	-	8	8	-
	4-8,5	15x91-108	8	-	16	12	-	8	8	-
	7-10	16x100	8	36	12	12	14	8	8	30
	10 OAK	16x85	8	48	8	12	-	8	8	-
	10	21x90	8	24	8	12	-	8	8	-
	14	16x100	8		8	12	-	8	8	30
	15	17x120	8	30	8	12	14	8	8	30
	30	25x110	8	6	8	12	-	8	8	-
	30	25x110	8	6	8	12	-	8	8	-
	30 OAK	25x95	8	6	8	12	-	8	8	-
	50	29x115	8	6	8	12	-	8	8	-
	50 OAK	29x107	8	6	8	12	-	8	8	-
	80 OAK **85 OAK**	38x106	-	6	8	-	-	-	-	-
	80 **100**	44x100-127	-	6	-	-	-	-	-	-
	250 **AFI-B-PPCO250F**	62x122	-	6	-	-	-	-	-	-



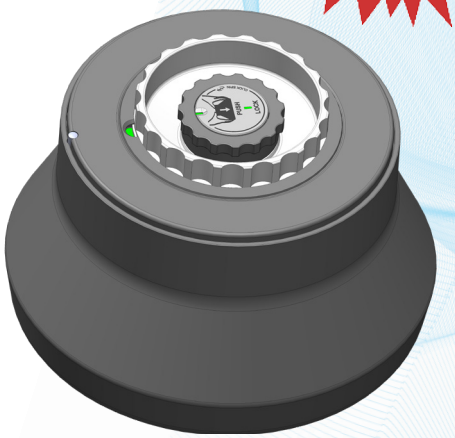


LOREENA ACCESSORIES			AFI-RA16-5	AFI-RA48-2	AFI-RA30-2
Max Capacity (ml)			16x5	48x2	30x2
Max Speed (rpm)			13 200	15 500	16 000
Max RCF (g)			21 038	27 129	28 335
Lid			✓	✓	✓
Micro Tubes	ml	Ø x L			
	**0,2-0,25**	6x18	16	48	30
	**0,5**	8x30	16	48	30
	**1,5-2**	11x38	16	48	30
	**5**	16,5x60	16	-	-
	**2** SPIN COLUMN	11x38	16	-	-

FIXED ANGULAR ROTORS

Accessories selection guide

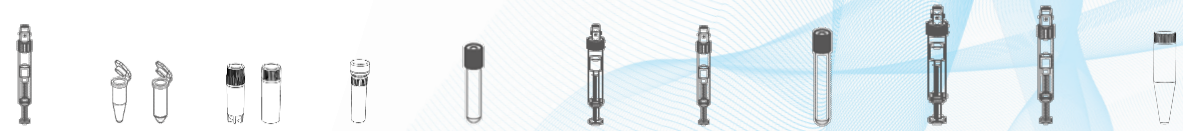
NEW



New High security sealed Rotor

Angular rotor Click Spin Lid (CSL)
8x50ml - Biological containment

Model	V	R
Max Capacity	8x 50ml	
Angle	25°	
RPM Max	12 200	13 500
ACR Max	17 473	21 395



Tubes											
Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5	10
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81|91	11x82	13x100	13x106	11x108	21x9(
Tubes per adapter / rotor	3|24	3|24	3|24	3|24	1|8		3|24	1|8	1|8	1|8	1|8
Adapter											
Hole Ø x L(mm)	9x50	11,25x40	13x30	11x40	13,5x58		12,5x55	13,5x78	13,5x78	12,5x80	22x8(
Radius 105	83 | 97	74 | 88	71 | 85	69|82	87		80|90	95	95	95	95
Ref.	**AFI-50R1-2**	**AFI-50R2-2**	**AFI-50R2CRYO-2**	**AFI-50R1.3-2**	**AFI-50R5-2**		**AFI-50R5ST-2**	**AFI-50R7-2**	**AFI-50R7-2**	**AFI-50R6ST-2**	**AFI-50R10(**

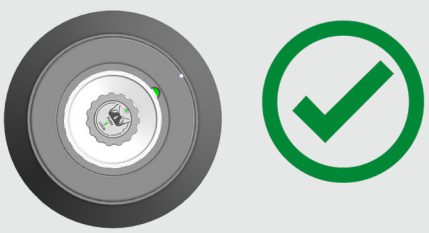


Tubes										
Capacity (ml)	4-8,5	7-10	10	14	15	30	30	30	50	50
Ø x L (mm)	15x91|108	16x100	16x85	16x100	17x120	25x110	25x110	25x95	29x115	29x107
Tubes per adapter / rotor	1|8		1|8	1|6	1|8	1|8	1|8	1|8	1|8	1|8
Adapter										
Hole Ø x L(mm)	17x78		17x70	17x78	18x80	26x60	26x60	26,5x70	30x70	30x70
Radius 105	95		85	97	97	99	95	98	105	101
Ref.	**AFI-50R10-2**		**AFI-50R10-OAK-2**	**AFI-50R10-2**	**AFI-50R15C-2**	**AFI-50R30S-2**	**AFI-50R30C-2**	**AFI-50R30-OAK-2**	-	**AFI-50R50-OAK-2**

The only Biological containment rotor that cannot be used **without its lid**

If the Rotor lid is missing, the AFI centrifuge will NOT START

1 => Biological safety guarantee

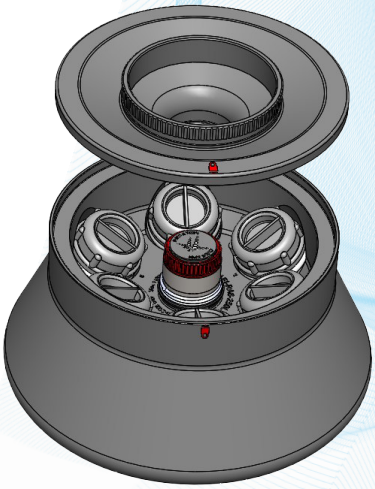




2 => Visual indicator to secure the biological containment

FIXED ANGULAR ROTORS

Accessories selection guide



Angular rotor 6x250ml - 25° - Sealed

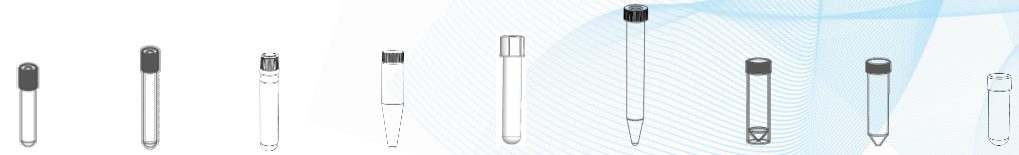
Model	R
Max Capacity	6 x 250ml
Angle	25°
RPM Max	9 000
ACR Max	13 131

Accessories



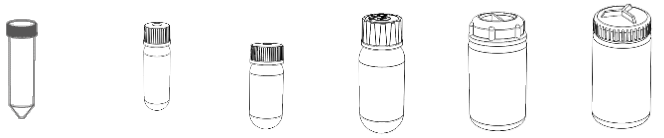
Ref.	AFI-RA6-250L

Tubes



Capacity (ml)	1,6-5	7-10	10	10	14	15	30	30	30
Ø x L (mm)	13x75	16x100	16,2x85	21x90	16x100	17x120	25x110	25x110	25x95
Tubes per adapter / rotor	8|48	6|36	8|48	4|24	5|30	5|30	1|6	1|6	1|6
Adapter									
Hole Ø x L(mm)	13,5x58	17x78	17x65	22x80	17x78	18x80	26x60	26x60	26,5x70
Radius 145	87|124	98|135	102|140	102|134	105|140	98|140	124	124	124
Ref.	**AFI-250R5**	**AFI-250R10**	**AFI-250R10-OAK**	**AFI-250R10C**	**AFI-250R14-2**	**AFI-250R15C**	**AFI-250R30S**	**AFI-250R30C**	**AFI-250R30-OAK**

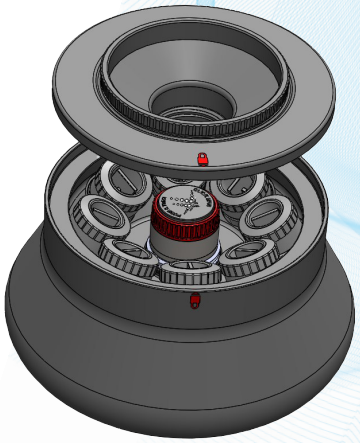
Tubes



Capacity (ml)	50	50	80 / 85	100	250	250
Ø x L (mm)	29x115	29x107	38x106	44x127	62x122	62x134
Tubes per adapter / rotor	1|6	1|6	1|6	1|6	1|6	1|6
Adapter						
Hole Ø x L(mm)	30x70	30x70	39x68	46x80	63x110	
Radius 145	126	126	127	130	145	
Ref.	**AFI-250R50C**	**AFI-250R50-OAK**	**AFI-250R80-OAK**	**AFI-250R100R**	-	

Angular rotor8x100ml - 28° - Sealed

Model	V	R
Max Capacity	8x 100ml	
Angle	28°	
RPM Max	12 500	14 000
ACR Max	20 089	23 432

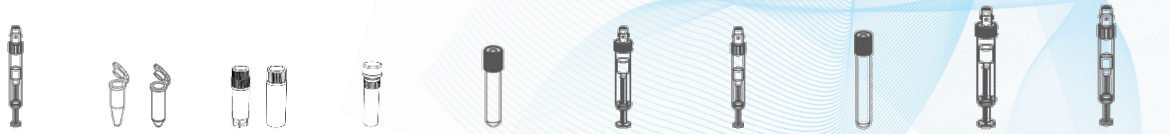




Accessories



Ref.	AFI-RA8-100L



Tubes

Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81|91	11x82	13x100	13x106	11x108
Tubes per adapter / rotor	2|16	4|32	4|32	5|40	2|16		5|40	2|16		1|8
Adapter										
Hole Ø x L(mm)	9x50	11,25x40	13x30	11x40	13,5x58		12,5x55	13,5x78		12,5x80
Radius 115	95|111	93|114	93|114	98|113	95|111		98|113	95|111		113
Ref.	**AFI-100R1-2**	**AFI-100R2-2**	**AFI-100R2CRYO-2**	**AFI-100R1.3-2**	**AFI-100R5-2**		**AFI-100R5ST-2**	**AFI-100R7-2**		**AFI-100R6ST-2**



Tubes

Capacity (ml)	10	4-5	7-10	5-8	10	14	15	30	30	30
Ø x L (mm)	21x90	15x91	16x100	15x108	16x85	16x100	17x120	25x110	25x110	25x95
Tubes per adapter / rotor	1|8	2|16		1|8	1|8	1|8	1|8	1|8	1|8	1|8
Adapter										
Hole Ø x L(mm)	22x80	17x78		17x80	17x70	17x78	18x80	26x60	26x60	26,5x70
Radius 115	118	105|111		111	105|111	103	103	104	104	102
Ref.	**AFI-100R10C-2**	**AFI-100R10-2**		**AFI-100R10ST-2**	**AFI-100R10-OAK-**	**AFI-100R14-2**	**AFI-100R15C-2**	**AFI-100R30S-2**	**AFI-100R30C-2**	**AFI-100R30-OAK-**

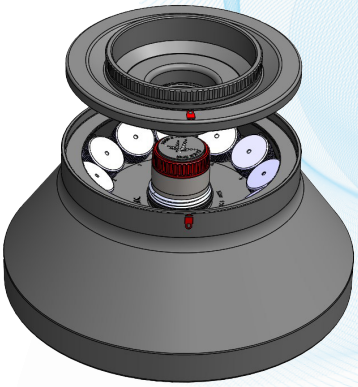


Tubes

Capacity (ml)	50	50	80/85	94
Ø x L (mm)	29x115	29x107	38x106	38x102
Tubes per adapter / rotor	1|8	1|8	1|8	1|6
Adapter				
Hole Ø x L(mm)	30x70	30x70	39x68	39x86
Radius 115	109	109	115	106
Ref.	**AFI-100R50C-2**	**AFI-100R50-OAK-**	-	-

Angular rotor 12x50ml - 35° - Sealed

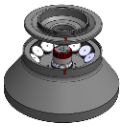
Model	V	R
Max Capacity	12 x 50ml	
Angle	35°	
RPM Max	11 000	11 000
ACR Max	18 398	18 398



Visual LOCK for PERFECT lid closure

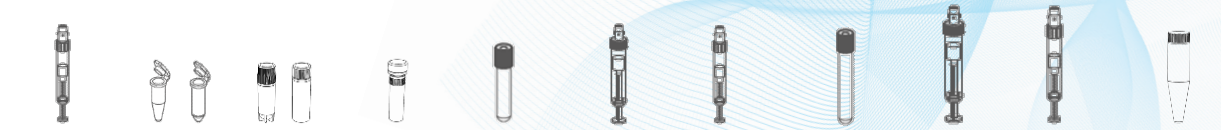


Accessories



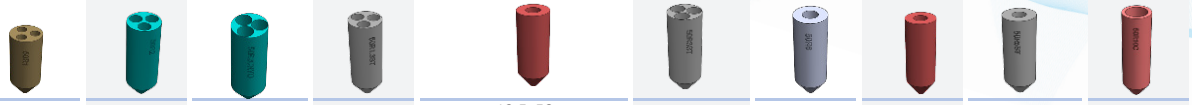
Ref.	AFI-RA12-50L

Tubes



Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5	10
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81|91	11x82	13x100	13x106	11x108	21x90
Tubes per adapter / rotor	3|36	3|36	3|36	3|36	1|12		3|36	1|12	1|12	1|12	1|12

Adapter



Hole Ø x L(mm)	9x50	11,25x40	13x30	11x40	13,5x58		12,5x55	13,5x78	13,5x78	12,5x80	22x80
Radius 136	85|99	76|90	72|87	70|84	89		81|95	97	97	97	97
Ref.	**AFI-50R1-2**	**AFI-50R2-2**	**AFI-50R2CRYO-2**	**AFI-50R1.3-2**	**AFI-50R5-2**		**AFI-50R5ST-2**	**AFI-50R7-2**	**AFI-50R7-2**	**AFI-50R6ST-2**	**AFI-50R10C-2**

Tubes



Capacity (ml)	4-8,5	7-10	10	14	15	30	30	30	50	50	50
Ø x L (mm)	15x91|108	16x100	16x85	16x100	17x120	25x110	25x110	25x95	29x115	29x115	29x107
Tubes per adapter / rotor	1|12		1|12	1|6	1|12	1|12	1|12	1|12	1|12	1|12	1|12

Adapter



Hole Ø x L(mm)	17x78	17x70	17x78	18x80	26x60	26x60	26,5x70	30x70	30x70	30x70
Radius 136	97	87	97	89	101	97	100	102	102	102
Ref.	**AFI-50R10-2**	**AFI-50R10-OAK-2**	**AFI-50R10-2**	**AFI-50R15C-2**	**AFI-50R30S-2**	**AFI-50R30C-2**	**AFI-50R30-OAK-**	-	**AFI-50R50S-2**	**AFI-50R50-OAK-**

* Set of 8

FIXED ANGULAR ROTORS

Accessories selection guide

Angular rotor 8x50ml - 25°



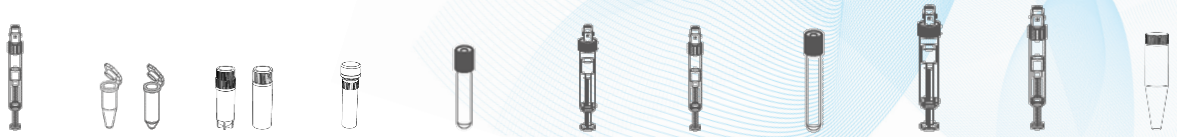
Model	V	R
Max Capacity	8 x 50ml	
Angle	25°	
RPM Max	12 200	12 200
ACR Max	16 973	16 973

Accessories



Ref.	AFI-RA8-50

Tubes



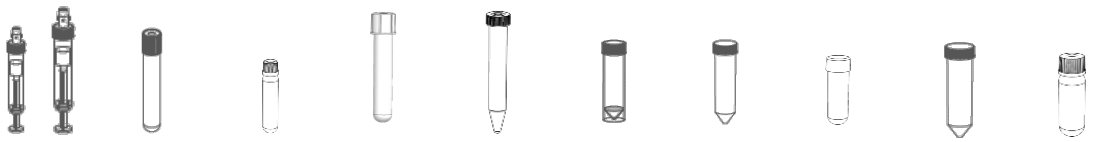
Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5	10
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81|91	11x82	13x100	13x106	11x108	21x90
Tubes per adapter / rotor	3|24	3|24	3|24	3|24	1|8		3|24	1|8	1|8	1|8	1|8

Adapter



Hole Ø x L(mm)	9x50	11,25x40	13x30	11x40	13,5x58		12,5x55	13,5x78	13,5x78	12,5x80	22x80
Radius 102	83 | 97	74 | 88	71 | 85	69|82	87		80|90	95	95	95	95
Ref.	**AFI-50R1-2**	**AFI-50R2-2**	**AFI-50R2CRYO-2**	**AFI-50R1.3-2**	**AFI-50R5-2**		**AFI-50R5ST-2**	**AFI-50R7-2**	**AFI-50R7-2**	**AFI-50R6ST-2**	**AFI-50R10C-2**

Tubes



Capacity (ml)	4-8,5	7-10	10	14	15	30	30	30	50	50
Ø x L (mm)	15x91|108	16x100	16x85	16x100	17x120	25x110	25x110	25x95	29x115	29x107
Tubes per adapter / rotor	1|8		1|8	1|6	1|8	1|8	1|8	1|8	1|8	1|8

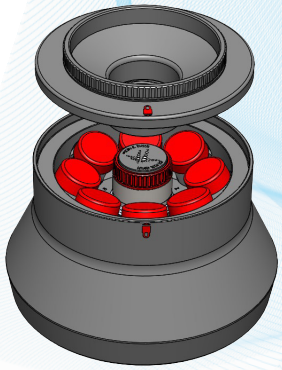
Adapter



Hole Ø x L(mm)	17x78		17x70	17x78	18x80	26x60	26x60	26,5x70	30x70	30x70
Radius 102	95		85	97	97	99	95	98	102	102
Ref.	**AFI-50R10-2**		**AFI-50R10-OAK-**	**AFI-50R10-2**	**AFI-50R15C-2**	**AFI-50R30S-2**	**AFI-50R30C-2**	**AFI-50R30-OAK-**	-	**AFI-50R50-OAK-**

Angular rotor 8x50ml - 25° - Sealed

Model	V	R
Max Capacity	8x 50ml	
Angle	25°	
RPM Max	12 200	13 500
ACR Max	16 973	20 783



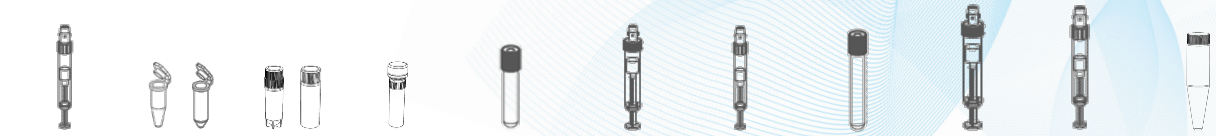


Accessories



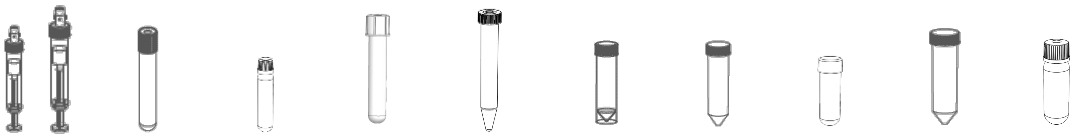
Ref.	AFI-RA8-50L

Tubes



Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5	10
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81|91	11x82	13x100	13x106	11x108	21x90
Tubes per adapter / rotor	3|24	3|24	3|24	3|24	1|8		3|24	1|8	1|8	1|8	1|8
Adapter											
Hole Ø x L(mm)	9x50	11,25x40	13x30	11x40	13,5x58		12,5x55	13,5x78	13,5x78	12,5x80	22x80
Radius 102	83 | 97	74 | 88	71 | 85	69|82	87		80|90	95	95	95	95
Ref.	**AFI-50R1-2**	**AFI-50R2-2**	**AFI-50R2CRYO-2**	**AFI-50R1.3-2**	**AFI-50R5-2**		**AFI-50R5ST-2**	**AFI-50R7-2**	**AFI-50R7-2**	**AFI-50R6ST-2**	**AFI-50R10C-2**

Tubes



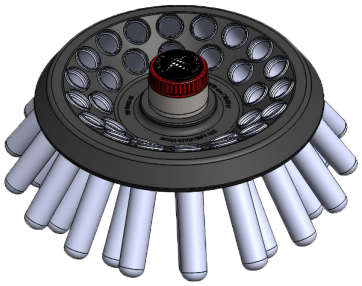
Capacity (ml)	4-8,5	7-10	10	14	15	30	30	30	50	50
Ø x L (mm)	15x91|108	16x100	16x85	16x100	17x120	25x110	25x110	25x95	29x115	29x107
Tubes per adapter / rotor	1|8		1|8	1|6	1|8	1|8	1|8	1|8	1|8	1|8
Adapter										
Hole Ø x L(mm)	17x78		17x70	17x78	18x80	26x60	26x60	26,5x70	30x70	30x70
Radius 102	95		85	97	97	99	95	98	102	102
Ref.	**AFI-50R10-2**		**AFI-50R10-OAK-**	**AFI-50R10-2**	**AFI-50R15C-2**	**AFI-50R30S-2**	**AFI-50R30C-2**	**AFI-50R30-OAK-**	-	**AFI-50R50-OAK-**

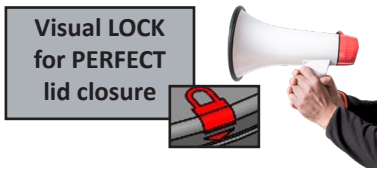
FIXED ANGULAR ROTORS

Accessories selection guide

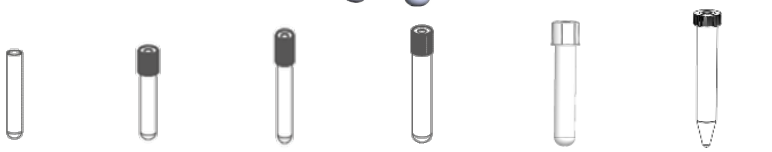
Angular rotor 30x15ml - 37°

Model	V	R
Max Capacity	30 x 15ml	
Angle	37°	
RPM Max	4 500	4 600
ACR Max	3 192	3 336





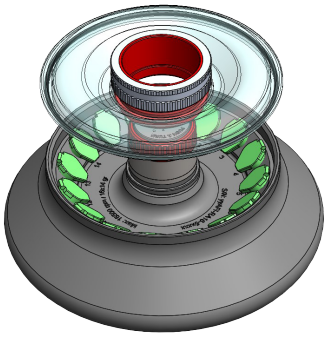
Tubes



Capacity (ml)	-	**5**	**1,6-5**	**5-7**	**10**	**14**	**15**
Ø x L (mm)	-	12x75	13x75	13x100	16x100	17x100	17x120
Tubes per adapter / rotor	-	1|30	1|30	1|30	1|30	1|30	1|30
Accessories							
Hole Ø x L(mm)	18x98	13x60	13x 58	13x78	17x78	17x78	18x98
Radius	122|141	96|115	96|115	108|127	110|129	118|136	118|136
Ref.	**AFI-RA30-15**	**AFI-15R5G**	**AFI-15R5**	**AFI-15R6**	**AFI-15R10**	**AFI-15R10**	**AFI-15R15C**

Angular rotor 16x5ml - 45° - Sealed

Model	V	R
Max Capacity	16 x 5ml	
Angle	45°	
RPM Max	13 200	13 200
ACR Max	21 038	21 038



Tubes

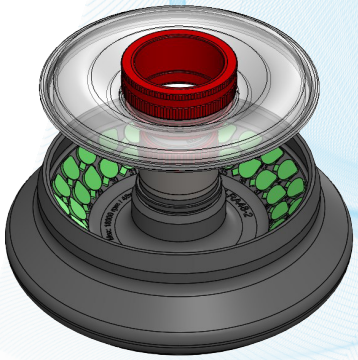


						SPIN-COLUMNS
Capacity (ml)	**5**	**0,2**	**0,25**	**0,5**	**2**	**2**
Ø x L (mm)	16,5x60	6x18		8x30	11x38	11x38
Tubes per adapter / rotor	16	1|16	1|16	1|16	1|16	1|16
Accessories						
Hole Ø X L(mm)	17x57		7x39	8,3x39	11,2x41	11,2x39
Radius	108	79	80	82	95	95
Ref.	**AFI-RA16-5**	**AFI-5R025***	**AFI-5R05***	**AFI-5R05**	**AFI-5R2**	**AFI-5R2SC**

* Set of 16

Angular rotor 48x2ml - 45° - Sealed

Model	V	R
Max Capacity	48 x 2ml	
Angle	45°	
RPM Max	14 000	15 500
ACR Max	22 132	27 129



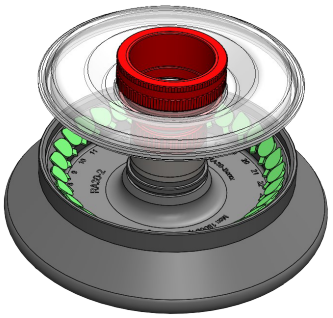
Available for NUNC tubes



Tubes		SPIN COLUMN				
Capacity (ml)	1,5-2	2	0,2	0,25	0,5	1,5-2
Ø x L (mm)	11x38		6x18		8x30	11x38
Tubes per adapter / rotor	48		1|48	1|48	1|48	48
Accessories						
Hole Ø X L(mm)	11,2x41			7x39	8,3x39	11,2x41
Radius	91|101		89|99	89|99	89|99	91|101
Ref.	AFI-RA48-2		AFI-2R02*	AFI-2R025*	AFI-2R05*	AFI-RA48-2 NUNC

Angular rotor 30x2ml - 45° - Sealed

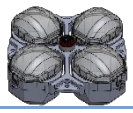
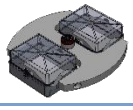
Model	V	R
Max Capacity	30 x 2ml	
Angle	45°	
RPM Max	15 300	16 000
ACR Max	25 910	28 335



Tubes		SPIN COLUMN			
Capacity (ml)	1,5-2	2	0,2	0,25	0,5
Ø x L (mm)	11x38		6x18		8x30
Tubes per adapter / rotor	30		1|30	1|30	1|30
Accessories					
Hole Ø X L(mm)	11,2x41			7x39	8,3x39
Radius	99		97	97	97
Ref.	AFI-RA30-2		AFI-2R02*	AFI-2R025*	AFI-2R05*

* Set of 6

DATA SHEET

Spécifications - *Specifications*						
Modèle - *Model*	Ventilé - *Ventilated*		Réfrigérée -*Refrigerated* Chauffante- *Heated*		Réfrigéré de sol *Refrigeated floor* *Chauffante de sol – Heated Floor*	
Centrifugeuses de paillasse et de sol ***Benchtop & Floor centrifuges***						
						
Référence - *Reference*	AFI-C300V-E	AFI-C300V	AFI-C300R-E AFI-C300RH-E	AFI-C300R AFI-C300RH	AFI-C300RF-E AFI-C300RFH-E	AFI-C300RF AFI-C300RFH
Reference IVD *	AFI-C300VE/IVD	AFI-C300V./IVD	AFI-C300RE/IVD	AFI-C300R/IVD	AFI-C300RF-E/IVD AFI-C300RFH/IVD	AFI-C300RF/IVD AFI-C300RF/IVD
Caractéristiques électriques - *Electrical specifications*						
Tension nominale - *Nominal voltage* (+/- 10%)	230 V	120 V	230 V	120 V	230 V	120 V
Fréquence - *Frequency*	50 / 60 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
Puissance alimentation max. - *Power max.*	1000 W		1700 W (800W compressor)		1700 W (800W compressor)	
Conformité aux directives Européennes - Compliance with European directives						
(UE)2017/746: Dispositifs médicaux de diagnostic in vitro ***In vitro diagnostic medical devices*** ****Only the IVD References***	✓		✓		✓	
2014/35/UE : Directive Basse Tension – Low Voltage Directive	✓		✓		✓	
2014/30/UE : Directive CEM - *EMC directive*	✓		✓		✓	
2012/19/CE : Directive DEEE - WEEE directive	✓		✓		✓	
2011/65/CE : Directive ROHS - ROHS Directive	✓		✓		✓	
IEC / EN61010-1 (2010) : Sécurité - *Safety*	✓		✓		✓	
IEC / EN61010-2-020 (2006) : Sécurité - *Safety*	✓		✓		✓	
IEC / EN61010-2-101 (2015) : Sécurité - *Safety*	✓		✓		✓	
EN61326-1(2013) : Compatib. électromagn.- *EMC compatibility*	✓		✓		✓	
EN55011 2009/A1 (2010) Classe A : Perturbations / *Emissions*	✓		✓		✓	
EN ISO 14971 (2012) : Gestion des risques - *Risk management*	✓		✓		✓	
ISO 9001 (2015) : Gestion des risques - *Risk management*	✓		✓		✓	
ISO 13485 (2016): Gestion des risques - *Risk management*	✓		✓		✓	
Caractéristiques principales (voir brochure) - *Main specifications (see brochure for full specification)*						
Rotors Swing-out ***Swing-out rotors*** 	Capacité max. *Max. capacity*	AFI-RX1000 + AFI-B1L	4x 1000mL			
	RPM max.	AFI-RX750	4500 Rpm	4600 Rpm		
	ACR max *Max. RCF*		4528 xg	4731 xg		
Rotors Microplaques ***Microplate rotors*** 	Capacité max. *Max. capacity*	AFI-RHD3	14x2 Microplates / 4x2 Deep Well			
	RPM max.		4500 rpm	4600 rpm		
	ACR max *Max. RCF*	AFI-RHD3	3713 g	3880 g		
Rotors Angulaires ***Fixed angle rotors*** 	Capacité max. *Max. capacity*	AFI-RA6-250	6x 250mL			
	RPM max.	AFI-RA30-2	15300 rpm	16000 rpm		
	ACR max *Max. RCF*		25910 g	28335 g		
Couvercles - *Lids*	✓					
Dimensions & poids - *Dimensions & Weight*						
Dimensions (HxlxL) - *Foot print Dimensions (HxWxD)*	36 x 50 x 65 cm		35 x 77 x 64 cm		83 x 57 x 68 cm	
Profondeur Table – Table deep	60 cm		60 cm		/	
Dimensions emballage (HxlxL) - *Package dimension (HxWxD)*	54 x 74 x 78 cm		54 x 80 x 78 cm		100 x 74 x 78 cm	
Hauteur couvercle ouvert - *Opened lid height*	79 cm		80 cm		139 cm	
Poids net - *Weight unpacked*	82 kg		145 kg		170 kg	
Poids emballé - *Weight packed*	97 kg		160 kg		185 kg	

Description de la centrifugeuse / Centrifuge description						
Référence - *Reference*	AFI-C300V-E	AFI-C300V	AFI-C300R-E AFI-C300RH-E	AFI-C300R AFI-C300RH	AFI-C300RF-E AFI-C300RFH-E	AFI-C300RF AFI-C300RFH
Ecran graphique tactile 4.3'', couleur ***4.3'' graphic color screen***	✓					
Commandes ***Commands***	Touches et écran tactile *Buttons and touchscreen*					
Contrôle par microprocesseur ***Microprocessor control***	✓					
Fixation de rotor sans outil / ***Toolless rotor fixing***	Système "ClickSpin©"					
Reconnaissance automatique du rotor ***Automatic rotor recognition***	✓					
Détection de balourd ***Imbalance detection***	Calibration ajustable (15g swing out et 3g rotors angulaires). Neutralisation automatique des vibrations liées à l'environnement. *Tunable calibration (15g for swing out & 3g for angular rotors). Automatic neutralization of vibrations due to environment*					
Mode économie d'énergie ***Energy saving mode***	Mode "Postcool" désactivable *Desactivable "Postcool" mode*					
Fermeture motorisée du couvercle / ***Motorized lid closing***	✓					
Durées de cycle ***Cycle duration***	10 s à 99h:59min:59s & Impulsion *10 s to 99h:59min:59 s & Pulse*					
Unités de température ***Temperature units***	°C / °F					
Chambre de centrifugation ***Centrifugation chamber***	Inox					
Densité max. ***Max. density***	1.2 g / cm^3					
Moteur à induction sans charbon ***Brushless induction motor***	✓					
Vitesse mini / Maxi ***Mini / Max Speed***	300 / 15300 rpm		300 / 16000 rpm			
Pas de réglage de la vitesse / Précision vitesse ***Speed setting step / Vitesse accuracy***	10 rpm - 10x g / ± 0.5%					
Nombre de programmes ***Programs number***	99		99+1		99+2	
Fonction Pulse ***Pulse (short run)***	✓					
Pentes d'accélération & de freinage ***Acceleration & Braking slopes***	10 & 10					
Décélération libre ***Brakeless mode***	✓					
Système de réfrigération ***Cooling system***	Ventilation *Ventilation device*		Sans CFC *CFC free*			
Temps de montée de T° ambiante à 37°C ***Time to increase from ambient temp to 37°C***	N/A		N/A		Ultra rapide < 9 min	
Temps de descente de T° ambiante à 4°C ***Time to decrease from ambient temp to 4°C***	N/A		Ultra rapide < 6 min		Ultra rapide < 6 min	
Plage de réglage en température ***Range of setting temperature***	N/A		-20°C → +40°C * * Pour les T° < à 4° et > à l'ambiante, des tests sont nécessaire selon les rotors utilisés et la vitesse For T° < 4° and > ambient, tests are necessary depending on the rotors used and the speed.		-20°C → +40°C * Pour les T° < à 4° des tests sont nécessaire selon les rotors utilisés et la vitesse. For T° < 4° tests are necessary depending on the rotors used and the speed.	
Echauffement (en C°) de l'échantillon a vitesse max pour T° ambiante 23°, **Durée de fonctionnement en continu 45 mn.** ***performance optimale atteinte avec couvercle de nacelle** **Sample heating (C°) at max speed, 23° ambient temperature,** **Continuous operating time 45mn** ***optimum performance achieved with bucket lid**	15		N/A			
Fonction de pré-refroidissement et préchauffage ***Precool function***	N/A		4° C pré enregistré/registered		4° & 37°C pré enregistré/registered Pre cool function adjustable from 20°C to -10°C Pre-heating function adjustable from 20°C to 40°C	
Précision en temperature ***Temperature accuracy***	N/A		+/- 2°C			
Dissipation de chaleur maximale ***Heat dissipation***	3413 BTU/h		5801 BTU/h			
Niveau sonore max. ***Max. noise***	≤ 61 dB (A)		≤ 56 dB (A)		≤ 56 dB (A)	

LOREENA

From Experience comes Excellence



BLOOD BANK

Centrifuge 4L

LOREENA

Blood Bank Centrifuge



Blood Bank Centrifuge

LOREENA benefits from all the AFI's experience for blood bank center and Biotherapies applications. It allows you to centrifuge **4 bags of 500mL & 600 mL and up to 8 bags of 450 mL.** It meets all your validated protocols to separate Plasma, Buffycoat, Red Blood Cell. These protocols come standard and pre-programmed into your machine.

QUALITY THAT SPEAK FOR ITSELF

The «IDEM» application coupled with PFC (Power Factor Control) technology ensures a reproducibility of your cycles making LOREENA an ideal centrifuge for simplified blood processing productivity

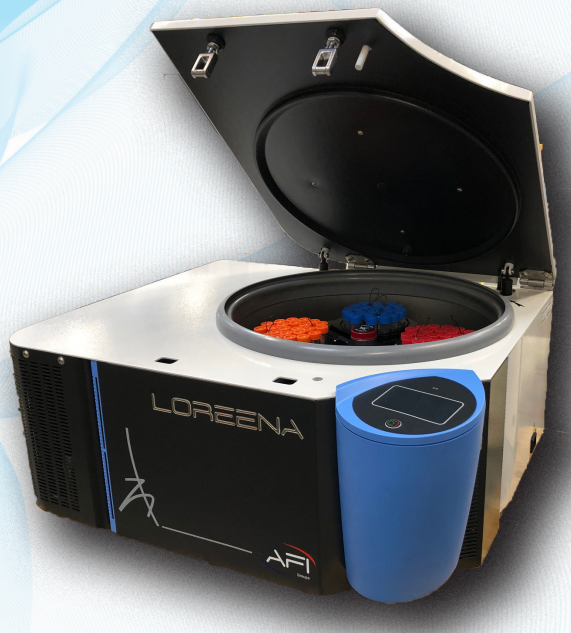
INTERACTIVE COMMUNICATION

With its large «Smartphone» touch screen colour display, LOREENA ensures interactive communication between you and the machine. Backlit display for better visibility Programming is greatly facilitated by direct access to all cycle parameters in a single window. Compatible with gloved hands.

ALL IN ONE

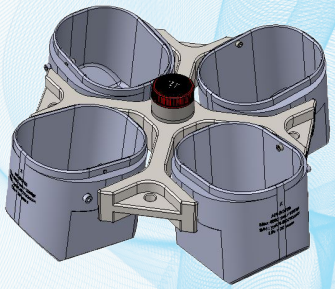
Blood bank application, start with your Loreena. Thanks to the RX 750 and the oval studied buckets, you can centrfuge 8 blood bags of 450 mL. A perfect separation of plasma,buffy coat and red cells.

Centrifuge	Description
AFI-C300R-E-BB	LOREENA Centrifuge Blood Bank
AFI-C300RF-E-BB	LOREENA Centrifuge Floor Model Blood Bank
Specifications	**Swing-out rotor**
Max Speed	4600rpm
Max RCF	4731 g
Max Loading	4x950ml
T° Range	-10°C/+40°C
Dim. (HxWxD)	35x77x64cm (Floor Model 83x57x68cm)
Pack dim.	54x80x78cm (Floor Model 100x74x78cm)
Weight	145kg (Floor Model 170kg)



AFI-BO750

Blood Bank Application



Model	R
Max Capacity	4 x 750ml
Angle	90°
RPM Max	4 600
ACR Max	4 637

Accessories






Ref.	AFI-RX750	AFI-BO750*	AFI-STICK7	AFI-STICK14

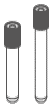
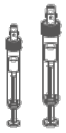
* Set of 4, possibility set of 2



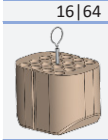


Blood Bags	250-400 mL	450mL	350-450 mL
Type	Double/ Triple *Cord Blood/ Buffy coat*	Triple	Simple *Buffy coat*
Bags per adapter / rotor	1|4	1|4	2|8
Adapter	 		
Hole LWH (mm)			
Radius 196	193	193	193
Max Charge (gr) 1500			
Ref.	AFI-LI750	AFI-LI750-600	AFI-LI750-900

* We recommend the use of a silicone spacer to wedge the pocket

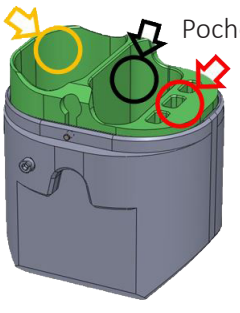



Tubes					
Capacity (ml)	1,6-7	2,6-4,9	2,7-5	15	50
Ø x L (mm)	13x75|100	13x81|106	11x82|108	17x120	29x115
Tubes per adapter / rotor	34|136			16|64	7|28
Adapter					
Hole Ø x L(mm)	13,5x58			18x80	30x70
Radius 196	176			196	196
Max Charge (gr) 1500					
Ref.	AFI-3TO5			AFI-3TO15C	AFI-3TO50C

REINFORCED SECURITY

Blood Bags loading in a dedicated compartment to avoid any risk of perforation

Poche de sang



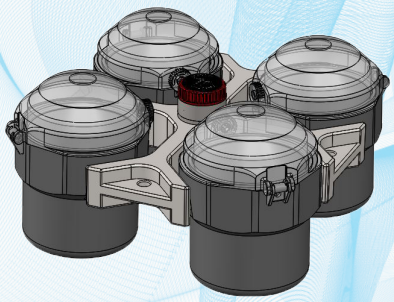
Poches satellites

Batôns d'équilibrage

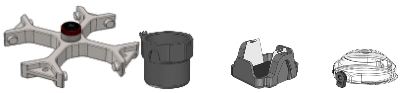
AFI-RX750

Adapters selection guide

Model	V	R
Max Capacity	4 x 750ml	
Angle	90°	
RPM Max	4 500	4 600
ACR Max	4 528	4 731



Accessories



Ref.	AFI-RX750	AFI-B750*	AFI-BXDW3	AFI-L750*

* Set of 4, possibility set of 2



Tubes

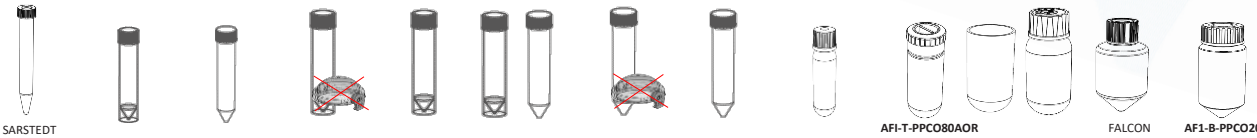
Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-7	2,6-4,9	1,2-3	4-8,5	7-10	10 CPT	10	14	15
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75|100	13x81|106	11x82	15x91|108	16x100	16x125	21x90	16x100	17x120
Tubes per adapter / rotor	33|132	56|224	33|132	40|160	27|108		37|148	21|84		8|32 (L)	13|52	13|52	14|56

Adapter



Hole Ø x L(mm)	9x50	11,25x40	13x30	11x40	13,5x58		12,5x55	17x58		17x58	22x80	17x78	18x80
Radius 200	198	140/195	180	190	198		195	198		178	200	198	198
Max Charge (gr) 1000													
Ref.	**AFI-3T1**	**AFI-3T2**	**AFI-3T2CRYO**	**AFI-3T1.3**	**AFI-3T5***		**AFI-3T5ST***	**AFI-3T10**			**AFI-3T10C**	**AFI-3T14**	**AFI-3T15C**

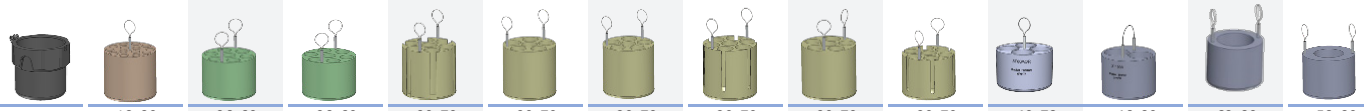
* For tube lenght > 80mm and ACR > 3000g, we preconise using adapter AFI-3T6 or AFI-3T6ST



Tubes

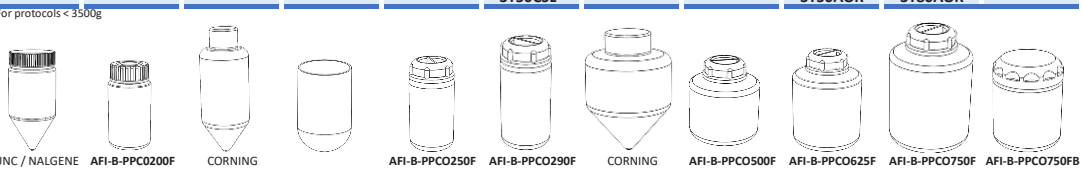
Capacity (ml)	15	30	30	50	50	50	50	50	50	80	80| 100	150|200	200
Ø x L (mm)	17x120	25x110	25x110	29x115	29x115	29x115	29x115	29x115	29x107	38x110	44x100|127	61x118|138	56x118
Tubes per adapter / rotor	16|64	7|28	5|20	7|28	6|24	6|24	7|28	6|24	7|28	4|16	2|8	1|4	1|4

Adapter



Hole Ø x L(mm)	18x80	26x60	26x60	30x70	30x70	30x70	30x70	30x70	30x70	40x78	46x80	62x80	58x80
Radius 200	198	195	198	198	198	198	198	185/200	198	198	198	182	200
Max Charge (gr) 1000													
Ref.	**AFI-3T15ST**	**AFI-3T30S**	**AFI-3T30C**	**AFI-3T50S**	**AFI-3T50SL**	**AFI-3T50CSL***	**AFI-3T50C**	**AFI-3T50CL**	**AFI-3T50AOR**	**AFI-3T80AOR**	**AFI-3T100R**	**AFI-3T200CF**	**AFI-3T200C**

* For protocols < 3500g



Tubes

Capacity (ml)	200	200	250	250	250	290	500	500	625	750	750
Ø x L (mm)	60x130	56x112	60x163	65x115	62x122	62x137	96x148	98x114	92x130	98x152	100x130
Tubes per adapter / rotor	1|4	1|4	1|4	1|4	1|4		1|4	1|4	1|4	1|4	1|4

Adapter



Hole Ø x L(mm)	62x80	58x80	62x103	66x103	64x80		97x103	102x102	94x85	102x102	102x102
Radius 200	200	198	198	198	182		200	200	184	200	200
Max Charge (gr) 1000											
Ref.	**AFI-3T200CN**	**AFI-3T200F**	**AFI-3T250C**	**AFI-3T250G**	**AFI-3T290F**		**AFI-3T500C**	-	**AFI-3T625F**	-	-

DATA SHEET

Spécifications - *Specifications*				
Modèle - *Model*	Réfrigéré *-Refrigerated*		Réfrigéré de sol *Refrigerated Floor version*	
Centrifugeuses de paillasse et de sol ***Benchtop & Floor centrifuges***				
Référence - *Reference*	AFI-C300R-E-BB	AFI-C300R-BB	AFI-C300RF-EBB	AFI-C300RF-BB
Caractéristiques électriques - *Electrical specifications*				
Tension nominale - *Nominal voltage* (+/- 10%)	230 V	120 V	230 V	120 V
Fréquence - *Frequency*	50 Hz	60 Hz	50 Hz	60 Hz
Puissance alimentation max. - *Power max.*	1700 W (800W compressor)		1700 W (800W compressor)	
Conformité aux directives Européennes - Compliance with European directives				
98/79/CE : Dispositifs médicaux de diagnostic in vitro ***In vitro diagnostic medical devices***	✓		✓	
2014/35/UE : Directive Basse Tension – Low Voltage Directive	✓		✓	
2014/30/UE : Directive CEM - *EMC directive*	✓		✓	
2012/19/CE : Directive DEEE - WEEE directive	✓		✓	
2011/65/CE : Directive ROHS - ROHS Directive	✓		✓	
IEC / EN61010-1 (2010) : Sécurité - *Safety*	✓		✓	
IEC / EN61010-2-020 (2006) : Sécurité - *Safety*	✓		✓	
IEC / EN61010-2-101 (2015) : Sécurité - *Safety*	✓		✓	
EN61326-1(2013) : Compatib. électromagn.- *EMC compatibility*	✓		✓	
EN55011 2009/A1 (2010) Classe A : Perturbations / *Emissions*	✓		✓	
EN ISO 14971 (2012) : Gestion des risques - *Risk management*	✓		✓	
ISO 9001 (2015) : Gestion des risques - *Risk management*	✓		✓	
ISO 13485 (2016): Gestion des risques - *Risk management*	✓		✓	
Caractéristiques principales (voir brochure) - *Main specifications (see brochure for full specification)*				
Rotors Swing-out ***Swing-out rotors*** 	Capacité max. *Max. capacity*	AFI-RX750	4x 750mL	
	RPM max.		4600 rpm	4600 rpm
	ACR max *Max. RCF*		4731 g	4731 g
Couvercle - *Lid*	✓			
Dimensions & poids - *Dimensions & Weight*				
Dimensions (HxlxL) - *Foot print Dimensions (HxWxD)*	35 x 77 x 64 cm		83 x 57 x 68 cm	
Profondeur table – Table deep	60 cm		/	
Dimensions emballage (HxlxL) - *Package dimension (HxWxD)*	54 x 80 x 78 cm		100 x 74 x 78 cm	
Hauteur couvercle ouvert - *Opened lid height*	88 cm		139 cm	
Poids net - *Weight unpacked*	145 kg		170 kg	
Poids emballé - *Weight packed*	160 kg		185 kg	

Centrifuge

Description de la centrifugeuse / Centrifuge description				
Référence - *Reference*	AFI-C300R-E-BB	AFI-C300R-BB	AFI-C300RF-EBB	AFI-C300RF-BB
Ecran graphique tactile 4.3'', couleur ***4.3'' graphic color screen***	✓			
Commandes ***Commands***	Touches et écran tactile *Buttons and touchscreen*			
Contrôle par microprocesseur ***Microprocessor control***	✓			
Fixation de rotor sans outil / ***Toolless rotor fixing***	Système "ClickSpin©"			
Reconnaissance automatique du rotor ***Automatic rotor recognition***	✓			
Détection de balourd ***Imbalance detection***	Calibration ajustable (15g swing out et 3g rotors angulaires).Neutralisation automatique des vibrations liées à l'environnement. *Tunable calibration (15g for swing out & 3g for angular rotors). Automatic neutralization of vibrations due to environment*			
Mode économie d'énergie ***Energy saving mode***	Mode "Postcool" désactivable *Desactivable "Postcool" mode*			
Fermeture motorisée du couvercle / ***Motorized lid closing***	✓			
Fonction My IDEM (calcul d'intégral) **My IDEM function (Accumulated Centrifugal Effect)**	✓			
Durées de cycle ***Cycle duration***	10 s à 99h:59min:59s & Impulsion *10 s to 99h:59min:59 s & Pulse*			
Unités de température ***Temperature units***	°C / °F			
Chambre de centrifugation ***Centrifugation chamber***	Inox			
Densité max. ***Max. density***	1.2 g / cm^3			
Moteur à induction sans charbon ***Brushless induction motor***	✓			
Vitesse mini / Maxi ***Mini / Max Speed***	300 / 4600 rpm			
Pas de réglage de la vitesse ***Speed setting step***	10 rpm/10x g			
Précision de vitesse ***Speed accuracy***	± 0.5%			
Nombre de programmes ***Programs number***	99+2			
Fonction Pulse ***Pulse (short run)***	✓			
Pentes d'accélération & de freinage ***Acceleration & Braking slopes***	10 & 10			
Décélération libre ***Brakeless mode***	✓			
Système de réfrigération ***Cooling system***	Sans CFC *CFC free*			
Plage de réglage en température ***Range of setting temperature***	-10°C →+40°C			
Alarme de surtempérature différentielle **Overtemperature alarm menu**	Ajustable de +5° à +20°C			
Fonction de pré-refroidissement ***Precool function***	✓			
Précision en temperature ***Temperature accuracy***	+/- 2°C			
Dissipation de chaleur maximale ***Heat dissipation***	5801 BTU/h			
Niveau sonore max. ***Max. noise***	≤ 60 dB (A)		≤ 57 dB (A)	
Option Thermostatée 37°C	37°C +/-2°C			

LOREENA

From Experience comes Excellence



VETERINARY

Centrifuge

LOREENA

Veterinary Centrifuge



Veterinary Centrifuge

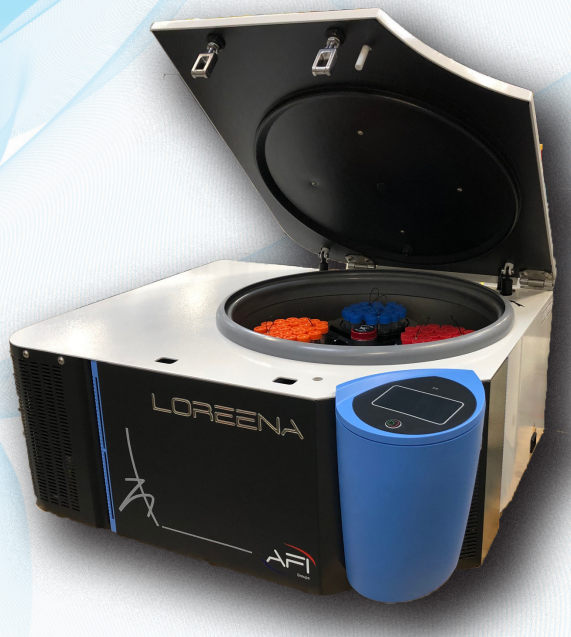
LOREENA VT has been designed to meet the intense analysis periods of veterinary laboratories.
Its dedicated accessory and its automatic tube uncaping system during centrifugation offer an undeniable time saving to laboratories during the prophylaxis period for example.
96 tubes can be centrifuged and uncaped at the same time before being transferred to the automatic machines.

Centrifuge	Description
AFI-C300R-E-VT	LOREENA Centrifuge Veterinary
AFI-C300RF-E-VT	LOREENA Centrifuge Floor Model Veterinary

Specifications	Swing-out rotor
Max Speed	4600rpm
Max RCF	4637g
Max Loading	4x1000ml
T° Range	-10°C/+40°C
Dim. (HxWxD)	35x77x64cm (Floor Model 83x57x68cm)
Pack dim.	54x80x78cm (Floor Model 100x74x78cm)
Weight	145kg (Floor Model 170kg)

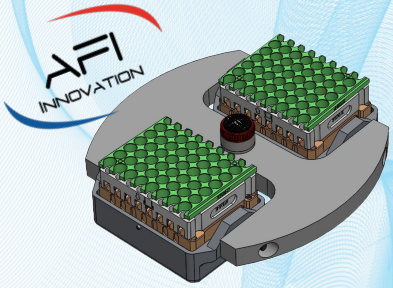
QUALITY THAT SPEAK FOR ITSELF
The «IDEM» application coupled with PFC (Power Factor Control) technology ensures a reproducibility of your cycles making LOREENA an ideal centrifuge for simplified blood processing productivity

INTERACTIVE COMMUNICATION
With its large «Smartphone» touch screen colour display, LOREENA ensures interactive communication between you and the machine. Backlit display for better visibility Programming is greatly facilitated by direct access to all cycle parameters in a single window. Compatible with gloved hands.

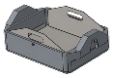
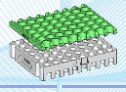


ANIMAL PROPHYLAXIS : 96 tubes automatically uncaped

Model	V	R
Max Capacity	96 tubes	
Angle	90°	
RPM Max	3 700	3 700
ACR Max	2 510	2 510



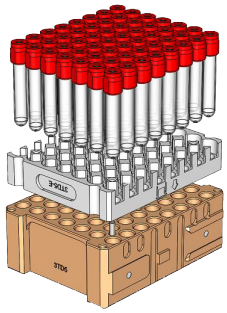


Tubes					LONG CAP	SHORT CAP	INSIDE CAP		
Capacity (ml)		-	**1,6-5**	-	-	-	-	-	-
Ø x L (mm)		-	13x75	-	-	-	-	-	-
Tubes per adapter / rotor		-	49|96	-	-	-	-	-	-
Accessories									
Hole Ø x L(mm)		-	-	-	-	-	-	-	-
Radius		164	160	-	-	-	-	-	-
Max Charge (gr)		1900							
Ref.	**AFI-RHD3**	**AFI-BHD3**	**AFI-3TD5***	**AFI-3TD5-O**	**AFI-3TD5-E**	**AFI-3TD5-ES**	**AFI-3TD5-E + AFI-3TD5-P****		**AFI-STICK10**

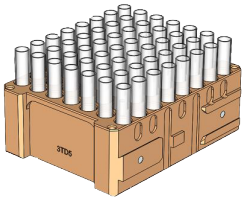
* Set of 2

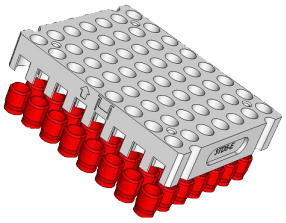
** Also possible AFI-3TD5-ES + AFI 3TD5-P

Tubes are automatically uncaped during centrifuge cycling. You can remove and trash all of them in same time.









Notes

DATA SHEET

Spécifications - *Specifications*				
Modèle - *Model*	Réfrigéré *-Refrigerated*		Réfrigéré de sol *Refrigerated Floor version*	
Centrifugeuses de paillasse et de sol ***Benchtop & Floor centrifuges***				
Référence - *Reference*	AFI-C300R-E-VT	AFI-C300R-VT	AFI-C300RF-E-VT	AFI-C300RF-VT
Caractéristiques électriques - *Electrical specifications*				
Tension nominale - *Nominal voltage* (+/- 10%)	230 V	120 V	230 V	120 V
Fréquence - *Frequency*	50 Hz	60 Hz	50 Hz	60 Hz
Puissance alimentation max. - *Power max.*	1700 W (800W compressor)		1700 W (800W compressor)	
Conformité aux directives Européennes - Compliance with European directives				
98/79/CE : Dispositifs médicaux de diagnostic in vitro ***In vitro diagnostic medical devices***	✓		✓	
2014/35/UE : Directive Basse Tension – Low Voltage Directive	✓		✓	
2014/30/UE : Directive CEM - *EMC directive*	✓		✓	
2012/19/CE : Directive DEEE - WEEE directive	✓		✓	
2011/65/CE : Directive ROHS - ROHS Directive	✓		✓	
IEC / EN61010-1 (2010) : Sécurité - *Safety*	✓		✓	
IEC / EN61010-2-020 (2006) : Sécurité - *Safety*	✓		✓	
IEC / EN61010-2-101 (2015) : Sécurité - *Safety*	✓		✓	
EN61326-1(2013) : Compatib. électromagn.- *EMC compatibility*	✓		✓	
EN55011 2009/A1 (2010) Classe A : Perturbations / *Emissions*	✓		✓	
EN ISO 14971 (2012) : Gestion des risques - *Risk management*	✓		✓	
ISO 9001 (2015) : Gestion des risques - *Risk management*	✓		✓	
ISO 13485 (2016): Gestion des risques - *Risk management*	✓		✓	
Caractéristiques principales (voir brochure) - *Main specifications (see brochure for full specification)*				
RHD3 	Capacité max. *Max. capacity*	AFI-RHD3 AFI-BHD3	96 tubes 5ml	
	RPM max.		4600 rpm	4600 rpm
	ACR max *Max. RCF*		3785 g	3785 g
Couvercle - *Lid*	✓			
Dimensions & poids - *Dimensions & Weight*				
Dimensions (HxlxL) - *Foot print Dimensions (HxWxD)*	35 x 77 x 64 cm		83 x 57 x 68 cm	
Profondeur table – Table deep	60 cm		/	
Dimensions emballage (HxlxL) - *Package dimension (HxWxD)*	54 x 80 x 78 cm		100 x 74 x 78 cm	
Hauteur couvercle ouvert - *Opened lid height*	88 cm		139 cm	
Poids net - *Weight unpacked*	145 kg		170 kg	
Poids emballé - *Weight packed*	160 kg		185 kg	

Description de la centrifugeuse / Centrifuge description				
Référence - *Reference*	AFI-C300R-E-BB	AFI-C300R-BB	AFI-C300RF-EBB	AFI-C300RF-BB
Ecran graphique tactile 4.3'', couleur ***4.3'' graphic color screen***	✓			
Commandes ***Commands***	Touches et écran tactile *Buttons and touchscreen*			
Contrôle par microprocesseur ***Microprocessor control***	✓			
Fixation de rotor sans outil / ***Toolless rotor fixing***	Système "ClickSpin©"			
Reconnaissance automatique du rotor ***Automatic rotor recognition***	✓			
Détection de balourd ***Imbalance detection***	Calibration ajustable (15g swing out et 3g rotors angulaires).Neutralisation automatique des vibrations liées à l'environnement. *Tunable calibration (15g for swing out & 3g for angular rotors). Automatic neutralization of vibrations due to environment*			
Mode économie d'énergie ***Energy saving mode***	Mode "Postcool" désactivable *Desactivable "Postcool" mode*			
Fermeture motorisée du couvercle / ***Motorized lid closing***	✓			
Fonction My IDEM (calcul d'intégral) **My IDEM function (Accumulated Centrifugal Effect)**	✓			
Durées de cycle ***Cycle duration***	10 s à 99h:59min:59s & Impulsion *10 s to 99h:59min:59 s & Pulse*			
Unités de température ***Temperature units***	°C / °F			
Chambre de centrifugation ***Centrifugation chamber***	Inox			
Densité max. ***Max. density***	1.2 g / cm^3			
Moteur à induction sans charbon ***Brushless induction motor***	✓			
Vitesse mini / Maxi ***Mini / Max Speed***	300 / 4600 rpm			
Pas de réglage de la vitesse ***Speed setting step***	10 rpm			
Précision de vitesse ***Speed accuracy***	± 0.5%			
Nombre de programmes ***Programs number***	99+2			
Fonction Pulse ***Pulse (short run)***	✓			
Pentes d'accélération & de freinage ***Acceleration & Braking slopes***	10 & 10			
Décélération libre ***Brakeless mode***	✓			
Système de réfrigération ***Cooling system***	Sans CFC *CFC free*			
Plage de réglage en température ***Range of setting temperature***	-10°C →+40°C			
Fonction de pré-refroidissement ***Precool function***	✓			
Précision en temperature ***Temperature accuracy***	+/- 2°C			
Dissipation de chaleur maximale ***Heat dissipation***	5801 BTU/h			
Niveau sonore max. ***Max. noise***	≤ 60 dB (A)		≤ 57 dB (A)	
Option Thermostatée 37°C	37°C +/-2°C			



MADE IN FRANCE

AFI Centrifuge

3 Rue Nicolas Copernic - 53200 Château Gontier - France

Tel. +33 2 43 06 15 19

http://www.afigroups.com

e-mail: contact@afigroups.com

Scan me to discover AFI catalogs

* If necessary or useful without affecting the essential characteristics of a model, the technical and stylistic characteristics may be modified without prior notice from the manufacturer.

602608-2026 V1.0

AFI Centrifuge