

LOREENA

Multilab Centrifuge ROUTINE-LINE

MINIMIZED FOOT PRINTS, MAXIMIZED ERGONOMICS

Very compact and with a small footprint LOREENA will help you to save 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 its 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.

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



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)	

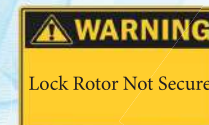


NEW CLICK SPIN with visual lock indicator



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)

Our best seller centrifuge since 2017

INTERNATIONAL
AUTOMATIC
ELECTRICAL
CORRECTION

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

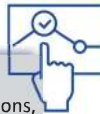


NEW CLICK SPIN

The Best flexibility system to change accessories without tool



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

Notes



	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 !

Swinging bucket rotors

Accessories selection guide

								
LOREENA ACCESSORIES			AFI-RX750	AFI-RHD3	AFI-RX1000	AFI-RH-RA		
								
LOREENA ACCESSORIES			AFI-B750	AFI-BXDW3	AFI-BHD3	AFI-B1L	AFI-BXDW4	AFI-BH-RA
Max Capacity (ml)	4x750mL	20 Microplates			28 Microplates	4x 1000mL	24 Microplates	
Max Charge (gr)	1000	800			1500	1750	950	1500
Max Speed (rpm)	4 600	4 600			4 600	3 500	4 200	4 600
Max RCF (g)	4 731	3 856			3 880	2 821	3 826	3 643
Cavity dim (ØxD) or (WxLxD)	Ø102x105	94x132x57			135x175x46	128x135x100	90x132x88	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	-	-
	1,5-2	11x38	224	-	-	200	-	-
	1,5-2	12,5x40	132	-	-	260	-	-
	1,3	10x45						
	1,6-5	13x75-100	108	-	96	200	-	-
	5-7	13x100	108	-	-	200	-	-
	2,6-4,9	13x81-106	108	-	-	200	-	-
	1,2-5	11x82-108	108	-	-	200	-	-
	4-8,5	15x91-108	84	-	-	156	-	-
	7-10	16x100	84	-	-	156	-	-
	10	21x90	52	-	-	92	-	-
	15	17x120	56	-	-	19 24*	-	-
	30	25x110	28	-	-	40	-	-
	30	25x110	20	-	-	56	-	-
	30	25x95	28	-	-	56	-	-
	50	29x115	24 28*	-	-	28	-	-
	50	29x115	24	-	-	40	-	-
	50	29x107	28	-	-	40	-	-
	80 AOR AFI-T-PPCO80AOR	38x105	16	-	-	24	-	-
	80 OAK 85 OAK	38x106	16	-	-	24	-	-
	80 100	44x100 127	8	-	-	16	-	-



LOREENA ACCESSORIES			AFI-RX750		AFI-RHD3		AFI-RX1000		AFI-RH-RA	
										
										
										
LOREENA ACCESSORIES			AFI-B750	AFI-BXDW3	AFI-BHD3	AFI-B1L	AFI-BXDW4	AFI-BH-RA		
Max Capacity (ml)			4x750mL	20 Microplates	28 Microplates	4x 1000mL	24 Microplates			
Max Charge (gr)			1000	800	1500	1750	950	1500		
Max Speed (rpm)			4 600	4 600	4 600	3 500	4 600	4 600		
Max RCF (g)			4 731	3 856	3 880	2 821	4 589	3 643		
Cavity dim (ØxD) or (WxLxD)			Ø102x105	94x132x57	135x175x46	128x135x100	90x132x88	90x259x46		
Lid			✓		✓	✓	✓			
Acc/ Dec (s)			86 68	74 62		86 68	72 70			
Bottles	ml	Ø x L								
	150 FALCON	61x118	4	-	-	8	-	-		
	200 FALCON	61x138	4	-	-	8	-	-		
	200 AFI-B-PPCO200C	56x118	4	-	-	8	-	-		
	200 NUNC/NALGENE	60x130	4	-	-	8	-	-		
	200 AFI-B-PPCO200F	56x112	4	-	-	8	-	-		
	250 CORNING	60x163	4	-	-	8	-	-		
	250	65x115	4	-	-	8	-	-		
	250 AFI-B-PPCO250F	62x122	4	-	-	8	-	-		
	290 AFI-B-PPCO290F	62x137	4	-	-	8	-	-		
	500 CORNING	96x148	4	-	-	4	-	-		
	500 AFI-B-PPCO500F	98x114	4	-	-	4	-	-		
	625 AFI-B-PPCO625F	92x130	4	-	-	4	-	-		
	750 AFI-B-PPCO750F	92x130	4	-	-	4	-	-		
	750 AFI-B-PPCO750FB	100x130	-	-	-	4	-	-		
	950 AFI-B-PPCO950F	100x154	-	-	-	4	-	-		
	Micro Plates		-	20	28	-	24	-		
	Deep Well		-	4	4	-	4	-		

* Unsealed

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*
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*Bucket lids are highly recommended with ventilated model for optimum performance

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	15
Ø x L (mm)	8x82	11x38	12.5x40	10x45	13x75 100	13x81 106	11x82	15x91 108	16x100	16x125	21x90	17x120
Tubes per adapter / rotor	33 132	56 224	33 132	40 160	27 108	37 148	21 84	8 32 (L)	13 52	14 56		
Adapter												
Hole Ø x L (mm)	9x50	11.25x40	13x30	11x40	13.5x58	12.5x55	17x58	22x80	18x80			
Radius	200	140 195	180	190	198	195	178	200	198			
Max Charge (gr)	1000											
Ref.	AFI-3T1	AFI-3T2	AFI-3T2CRYO	AFI-3T1.3	AFI-3T5*	AFI-3T5S*	AFI-3T10	AFI-3T10C	AFI-3T15C			

*For tube length > 80mm and ACR > 3000g, we pre-choose using adapter AFI-3T5 or AFI-3T5S

Tubes													
Capacity (ml)	15	30	30	50	50	50	50	50	50	80	80 100	100	150 200
Ø x L (mm)	17x120	25x110	25x110	29x115	29x115	29x115	29x115	29x115	29x107	38x110	44x100 127	61x118 138	61x118 138
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	40x78	46x80	62x80	182	
Radius	200	198	195	198	198	198	198	185 200	198	198	198	182	
Max Charge (gr)	1000												
Ref.	AFI-3T15S	AFI-3T30S	AFI-3T30C	AFI-3T50S	AFI-3T50SL	AFI-3T50CSL*	AFI-3T50C	AFI-3T50CL	AFI-3T50AOR	AFI-3T80AOR	AFI-3T100R	AFI-3T200CF	

*For protocols < 3000g

Tubes												
Capacity (ml)	200	200	200	250	250	250	290	500	500	625	750	750
Ø x L (mm)	56x118	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	1 4	1 4
Adapter												
Hole Ø x L (mm)	58x80	62x80	58x80	62x103	66x103	64x80	97x103	102x102	94x85	102x102	102x102	102x128x80
Radius	200	200	198	198	198	182	200	200	184	200	200	195
Max Charge (gr)	1000											
Ref.	AFI-3T200C	AFI-3T200CN	AFI-3T200F	AFI-3T250C	AFI-3T250G	AFI-3T290F	AFI-3T500C	AFI-3T625F	AFI-3T750F	AFI-3T825F	AFI-3T950F	AFI-3T1000

AFI-RX1000 NEO

Adapters selection guide



Model	V	R
Max Capacity	4 x 1000ml	
Angle	90°	
RPM Max	3 800	4 250
ACR Max	3 390	4 241

Accessories

Ref.	AFI-RX1000 NEO	AFI-B1000 NEO	AFI-L1000 NEO
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* 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	15
Ø x L (mm)	8x82	11x38	12.5x40	12x75	13x75	13x100	13x81	13x106	11x82	15x91 108	16x100	16x125	21x90	17x120
Tubes per adapter / rotor	75 300	100 400	122 488	58 232	13x75	13x100	13x81	13x106	75 300	39 156	39 156	15 60 (L)	25 100	24 96
Adapter														
Hole Ø x L (mm)	9.5x50	11.25x40	13x30	12.5x58	13.5x58	13.5x58	13x81	13x106	12.5x55	17x58	22x80	18x80		
Radius	210	195	190 138	193 133	196	196	196	196	192	195	200	206		
Max Charge (gr)	1750													
Ref.	AFI-ST1	AFI-ST2	AFI-ST2CRYO	AFI-ST4.5	AFI-ST5	AFI-ST5	AFI-ST5	AFI-ST5	AFI-ST5S	AFI-ST5S	AFI-ST10	AFI-ST10C	AFI-ST15C	

																
Tubes																
Capacity (ml)	30	30	50	50	50	50	80	85	80 100	150 200	200	200	200	200	200	250
Ø x L (mm)	25x110 14 56	25x110 14 56	29x115 9 36	29x115 9 36	29x115 10 40	29x107 14 56	38x110 7 28	38x110 7 28	44x100 127 4 16	61x118 138 2 8	56x118 4 16	56x112 4 16	56x112 4 16	60x130 2 8	60x141 2 8	60x141 2 8
Adapter																
																
Hole Ø x L (mm)		26x60 198	26x70 205	30x70 203	30x70 203	30x70 208	30x70 202	40x78 203	46x80 203	62x80 209	58x80 210	58x80 210	58x80 210	62x80 210	62x80 210	62x80 210
Max Charge (gr)	1750															
Ref.		AFI-3T30S	AFI-3T30C	AFI-3T50S	AFI-3T50CS*	AFI-3T50C	AFI-3T50C	AFI-3T80AOR	AFI-3T100R	AFI-3T200CF	AFI-3T200C	AFI-3T200C	AFI-3T200F	AFI-3T200F	AFI-3T200F	AFI-3T250CN

*For protocols < 3000g

Tubes																	
Capacity (ml)	250	250	290	500	500	500	625	750	750	750	750	950	1000	1000	1000	1000	1000
Ø x L (mm)	60x163	62x122	62x137	70x160	96x148	98x114	92x130	98x152	100x130	100x154	100x154	100x154	100x154	100x154	100x154	100x154	100x154
Tubes per adapter / rotor	2 8	2 8	2 8	1 4	1 4	1 4	1 4	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)	62x103	64x80	72x80	97x103	100x102	94x85	100x102	100x102	102x102	102x102	102x102	102x102	102x102	102x102	102x102	102x102	102x102
Radius	210	201	210	210	207	207	207	207	210	210	210	210	210	210	210	210	210
Max Charge (gr)	1750																
Ref.	AFI-ST250C	AFI-ST290F	AFI-ST500C	AFI-ST500C	AFI-ST500C	AFI-ST500C	AFI-ST500C	AFI-ST500C	AFI-ST500C	AFI-ST500C	AFI-ST500C	AFI-ST500C	AFI-ST500C	AFI-ST500C	AFI-ST500C	AFI-ST500C	AFI-ST500C

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	3 690	3 856



Microplate				
Capacity (ml)	-	-	-	-
Max Height (mm)	-	65	65	-
Tubes per adapter / rotor	-	5 20	1 4	-

Accessories				
Hole Ø x L (mm)	-	-	-	-
Radius	-	163	-	-
Max Charge (gr)	-	800	-	-
Ref.	AFI-RX750	AFI-BXDW3*		

* Set of 4

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	3 690	3 856



Microplate				
Capacity (ml)	-	-	-	-
Max Height (mm)	-	65	65	-
Tubes per adapter / rotor	-	3 12	1 4	-

Accessories				
Hole Ø x L (mm)	-	-	-	-
Radius	-	163	-	-
Max Charge (gr)	-	800	-	-
Ref.	AFI-RX750	AFI-BXDW3L	AFI-HLD3L-MP	

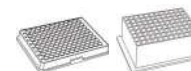


Easy to transport thanks to the carrying handle.
Lighter as sealed lid is in the adapter NOT in the bucket.



AFI-RHD3+ AFI-BHD3 : 28 MICROPLATES SEALED

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



Microplate			
Capacity (ml)	-	-	-
Max Height (mm)	-	95	95
Tubes per adapter / rotor	-	10 20	2 4

Accessories			
Hole Ø x L (mm)	-	-	-
Radius	-	164	-
Max Charge (gr)	-	1500	-
Ref.	AFI-RHD3	AFI-BHD3*	

* Set of 2



RACK

Accessories selection guide

AFI-RH-RA + AFI-BH-RA

Model	V	R
Max Capacity	-	-
Angle	90°	-
RPM Max	4 500	4 600
ACR Max	3 486	3 643

Racks				WERFEN	WERFEN
Capacity (ml)	-	-	-	-	-
Ø x L (mm)	-	-	-	-	-
Rack per adapter / rotor	-	-	-	4 8	4 8
Accessories					
Hole Ø x L (mm)	-	-	-	-	-
Radius	-	-	-	-	-
Max Charge (gr)	-	-	-	-	-
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	-	-	-	-	-	-
Max Charge (gr)	-	-	-	-	-	-
Ref.	AFI-RHD3	AFI-BHD3	ON REQUEST	ON REQUEST	ON REQUEST	ON REQUEST

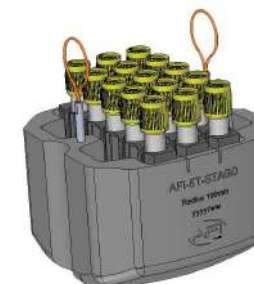
* Set of 2



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	-	-	-	-
Max Charge (gr)	-	-	-	-
Ref.	AFI-RX1000 NEO	AFI-B 1000 NEO	AFI-L1000 NEO	AFI-ST STAR
				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	-
	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	38x106	-	6	8	-		-	-	-
	85 OAK									
	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

Model	V	R
Max Capacity	16x 5ml	
Angle	45°	
RPM Max	14 200	14 200
ACR Max	21 642	21 642

Accessories

Swing Out Rotor 2x2 Microns

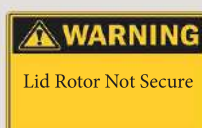
Ref.	AFI-RA8-50CSL
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Tubes											
Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5	10
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81 91	11x82	13x100	13x106	11x108	21x90
Tubes per adapter / rotor	3 24	3 24	3 24	3 24	1 8	1 8	3 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	22x80
Radius	83 97	74 88	71 85	69 82	87	80 90	95	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	AFI-50R10C-2

Tubes								
Capacity (ml)	4-8,5	7-10	10	15	30	30	50	50
Ø x L (mm)	15x91 108	16x100	16x85	17x120	25x110	25x95	29x115	29x107
Tubes per adapter / rotor	1 8	1 8	1 8	1 8	1 8	1 8	1 8	1 8
Adapter								
Hole Ø x L (mm)	17x78	17x70	18x80	26x60	26x60	26,5x70	30x70	30x70
Radius	95	85	97	99	95	98	102	101
Ref.	AFI-50R10-2	AFI-50R10-OAK-2	AFI-50R15C-2	AFI-50R30S-2	AFI-50R30C-2	AFI-50R30-OAK-2	AFI-50R50-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
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Tubes										
Capacity (ml)	1,6-5	7-10	10	10	15	30	30	30	50	50
Ø x L (mm)	13x75	16x100	16,2x85	21x90	17x120	25x110	25x110	25x95	29x115	29x107
Tubes per adapter / rotor	8 48	6 36	8 48	4 24	5 30	1 6	1 6	1 6	1 6	1 6
Adapter										
Hole Ø x L (mm)	13,5x58	17x78	17x65	22x80	18x80	26x60	26x60	26,5x70	30x70	30x70
Radius	87 124	98 135	102 140	102 134	98 140	124	124	124	126	126
Ref.	AFI-250R5	AFI-250R10	AFI-250R10-OAK	AFI-250R10C	AFI-250R15C	AFI-250R30S	AFI-250R30C	AFI-250R30-OAK	AFI-250R50C	AFI-250R50-OAK

Tubes			
Capacity (ml)	80 / 85	100	250
Ø x L (mm)	38x106	44x127	62x122
Tubes per adapter / rotor	1 6	1 6	1 6
Adapter			
Hole Ø x L (mm)	39x68	46x80	63x110
Radius	127	130	145
Ref.	AFI-250R80-OAK	AFI-250R100R	-

Angular rotor 8x100ml - 28° - Sealed

Model	V	R
Max Capacity	8 x 100ml	
Angle	28°	
RPM Max	12 500	13 500
ACR Max	20 089	23 432

Accessories

Ref.	AFI-RAS-100L
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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	98 113	95 111		98 113	95 111		113
Ref.	AFI-100R1-2	AFI-100R2-2	AFI-100R2CRYO-2	AFI-100R1.3-2	AFI-100RS-2		AFI-100RSST-2	AFI-100R7-2		AFI-100R6ST-2

Tubes										
Capacity (ml)	10	4-5	7-10	5-8	10	15	30	30	30	50
Ø x L (mm)	21x90	15x91	16x100	15x108	16x85	17x120	25x110	25x110	25x95	29x115
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	18x80	26x60	26x60	26,5x70	30x70
Radius	115	118	105 111	111	105 111	103	104	104	102	109
Ref.	AFI-100R10C-2	AFI-100R10-2		AFI-100R10ST-2	AFI-100R10-OAK-2	AFI-100R15C-2	AFI-100R30S-2	AFI-100R30C-2	AFI-100R30-OAK-2	AFI-100R50C-2

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

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

Accessories

Ref.	AFI-RA12-50L
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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
Ref.	AFI-50R1-2	AFI-50R2-2	AFI-50R2CRYO-2	AFI-50R1.3-2	AFI-50R5-2		AFI-50RSST-2	AFI-50R7-2	AFI-50R7-2	AFI-50R6ST-2	AFI-50R10C-2

Tubes										
Capacity (ml)	4-8,5	7-10	10	15	30	30	30	50	50	50
Ø x L (mm)	15x91 108	16x100	16x85	17x120	25x110	25x110	25x95	29x115	29x115	29x107
Tubes per adapter / rotor	1 12		1 12	1 12	1 12	1 12	1 12	1 12	1 12	1 12
Adapter										
Hole Ø x L (mm)	17x78		17x70	18x80	26x60	26x60	26,5x70	30x70	30x70	30x70
Radius	97		87	89	101	97	100	102	102	102
Ref.	AFI-50R10-2		AFI-50R10-OAK-2	AFI-50R15C-2	AFI-50R30S-2	AFI-50R30C-2	AFI-50R30-OAK-2	-	AFI-50R50S-2	AFI-50R50-OAK-2

* 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-RAS-50
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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	83 97	74 88	71 85	69 82	87	80 90	95	95	95	95
Ref.	AFI-50R1-2	AFI-50R2-2	50R2CRYO-2	50R13-2	AFI-50R5-2	AFI-50R5ST-2	AFI-50R7-2	AFI-50R7-2	AFI-50R6ST-2	AFI-50R10C-2

Tubes

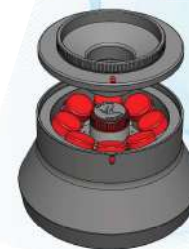
Capacity (ml)	4-8,5	7-10	10	15	30	30	30	50	50
Ø x L (mm)	15x91 108	16x100	16x85	17x120	25x110	25x110	25x95	29x115	29x107
Tubes per adapter / rotor	1 8		1 8	1 8	1 8	1 8	1 8	1 8	1 8

Adapter

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



Visual LOCK
for PERFECT
lid closure



Accessories

Ref.	AFI-RAS-50L
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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	83 97	74 88	71 85	69 82	87	80 90	95	95	95	95
Ref.	AFI-50R1-2	AFI-50R2-2	50R2CRYO-2	AFI-50R13-2	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	15	30	30	30	50	50
Ø x L (mm)	15x91 108	16x100	16x85	17x120	25x110	25x110	25x95	29x115	29x107
Tubes per adapter / rotor	1 8		1 8	1 8	1 8	1 8	1 8	1 8	1 8

Adapter

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

FIXED ANGULAR ROTORS

Accessories selection guide

Angular rotor 14x 15ml -28°

Model	V	R
Max Capacity	14x 15mL	
Angle	28°	
RPM Max	TBC	TBC
ACR Max	TBC	TBC



Visual LOCK
for PERFECT
lid closure



Accessories

Ref.	AFI-RA14-15L
------	--------------

Tubes

	1,6-5	5-7	7-10	15
Capacity (ml)	1,6-5	5-7	7-10	15
Ø x L (mm)	13x75	13x100	16x100	17x120
Tubes per adapter / rotor	1 14	1 14	1 14	1 14

Adapter

	AFI-15C5	AFI-15C7	AFI-15C10	-
Hole Ø x L (mm)	93	105	105	112
Radius	112	93	105	112
Ref.	AFI-15C5	AFI-15C7	AFI-15C10	-

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

	-	5	1,6-5	5-7	10	14	15
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

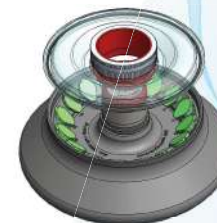
Accessories

	AFI-RA30-15	AFI-15R5G	AFI-15R5	AFI-15R6	AFI-15R10	AFI-15R10	AFI-15R15C
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

	5	0,2	0,25	0,5	2	SPIN-COLUMNS
Capacity (ml)	5	0,2	0,25	0,5	2	2
Ø x L (mm)	16,5x60	6x18	6x18	8x30	11x38	11x38
Tubes per adapter / rotor	16	1 16	1 16	1 16	1 16	1 16

Accessories

	AFI-RA16-5	AFI-SR025*	AFI-SR05*	AFI-SR05	AFI-SR2	AFI-SR2SC
Hole Ø x L (mm)	17x57	79	7x39	8,3x39	11,2x41	11,2x39
Radius	108	79	80	82	95	95
Ref.	AFI-RA16-5	AFI-SR025*	AFI-SR05*	AFI-SR05	AFI-SR2	AFI-SR2SC

* Set of 16

FIXED ANGULAR ROTORS

Accessories selection guide

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



Tubes

	1,5-2	2	0,2	0,25	0,5	1,5-2
Capacity (ml)						
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
Ref.	AFI-RA48-2	AFI-ZR02*	AFI-ZR025*	AFI-ZR05*
				AFI-RA48-2 NUNC

Available for
NUNC tubes



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

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



Notes

DATA SHEET

Spécifications - Specifications						
Modèle - Model	Ventilé - Ventilated		Réfrigérée -Refrigerated Chauffante- Heated		Réfrigéré de sol Refrigerated 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/IVD AFI-C300RFH/IVD	AFI-C300RF/IVD AFI-C300RFH/IVD
Caractéristiques électriques - Electrical specifications						
Tension nominale - Nominal voltage (+/- 10%)	230 V		120 V		230 V	
Fréquence - Frequency	50 / 60 Hz		60 Hz		50 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.	AFI-RHD3	4500 rpm	4600 rpm		
	ACR max Max. RCF		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
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° < 4°C et > à l'ambiante, des tests sont nécessaires 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° < 4°C des tests sont nécessaires 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 à 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 température 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)