

AFI presents  
THE GENERATION

LIA

*From Experience comes Excellence*



2024



## Mini Centrifuge BIOLOGY-LINE

### Mini and compact

The LIA mini centrifuge is very compact and can be placed on every bench. This way each station will be equipped with its own centrifuge.

### Mini and powerful

The LIA mini centrifuge with its high speed of 15000 Rpm/ 15100 x g offers an optimal solution for molecular biological separations.

### Mini and full option

The LIA mini centrifuge, despite its small size, has been designed as a large centrifuge. It will provide you with everything you need to make your everyday life easier. The LCD display, the automatic rpm / x g converter as well as all safety features such as automatic door locking, overspeed detection, overheating detection, automatic internal diagnostics are available.



#### Centrifuge Description

<b>AFI-MINIV-E</b>	LIA Mini Centrifuge Ventilated
<b>Specifications</b>	Angular Rotor
Max Speed	15000rpm
Max RCF	15100g
Max Loading	12x 2ml
Dim. (HxWxD)	14x25.5x24.5 cm
Weight	6kg







# FIXED ANGULAR ROTORS

## Accessories selection guide

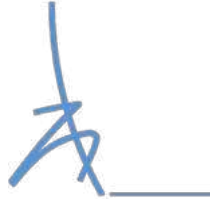




### Angular rotor 12x2ml - 45° - Sealed

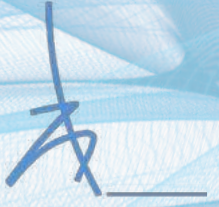
Model	V
Max Capacity	12 x 2ml
Angle	45°
RPM Max	15 000
ACR Max	15 100

			
<b>Tubes</b>			
Capacity (ml)	1,5-2	0,2	0,5
Ø x L (mm)	11x38	6x18	8x30
Tubes per adapter / rotor	12	1 12	1 12
<b>Accessories</b>			
Hole Ø X L (mm)	11,2x40,5		8,3x39
Radius	60	58	58
<b>Ref.</b>	<b>AFI-MINI12-2</b>	<b>AFI-M2R02*</b>	<b>AFI-M2R05*</b>

\* Set of 12



Spécifications - Specifications			
Modèle - Model	Ventilé - Ventilated		
Centrifugeuse de paillasse Benchtop centrifuge			
Référence - Reference	AFI-MINI-E		
Caractéristiques électriques - Electrical specifications			
Tension nominale - Nominal voltage (+/- 10%)	230 V		
Fréquence - Frequency	50 / 60 Hz		
Puissance alimentation max. - Power max.	100 W		
Conformité aux directives Européennes - Compliance with European directives			
Certification CE CE Certification	✓		
Caractéristiques principales (voir brochure) - Main specifications (see brochure for full specification)			
 Rotors Angulaires Fixed angle rotors	Capacité max. Max. capacity	Rotor AFI-MINI12-2	12x 2 ml
	RPM max.		15000 rpm
	ACR max Max. RCF		15100 g
Couvercle - Lid	✓		
Dimensions & poids - Dimensions & Weight			
Dimensions (HxLxL) - Foot print Dimensions (HxWxD)	14x24.5x25.5 cm		
Dimensions emballage (HxLxL) - Package dimension (HxWxD)			
Hauteur couvercle ouvert - Opened lid height			
Poids net - Weight unpacked	6 Kg		
Poids emballé - Weight packed	kg		
Description de la centrifugeuse / Centrifuge description			
Ecran LCD LCD screen	✓		
Commandes Commands	Molette + Touches tactiles Knob + Tactiles Buttons		
Contrôle par microprocesseur Microprocessor control	✓		
Fonctions de sécurité Safety devices	Verrouillage couvercle / Détection sur-vitesse / Détection sur-température / Auto Diagnostique Door interlock / Over-speed detection / Over-temperature detection / Automatic internal diagnosis		
Durées de cycle Cycle duration	30 s à 99mn continues 30s to 99mn Continuous		
Unités de température Temperature units	°C / °F		
Chambre de centrifugation Centrifugation chamber	Inox		
Densité max. Max. density	1.2 g / cm <sup>3</sup>		
Moteur à induction sans charbon Brushless induction motor	✓		
Précision de vitesse Speed accuracy	± 20 rpm		
Fonctions Avancées Advance Features	Choix vitesse-RCF / Fonction pulse / Alertes sonores Speed/RCF switch / Short time run function / sound alert function		
Décélération libre Brakeless mode	✓		
Niveau sonore max. Max. noise	≤ 54dB		



## Centrifuge BIOLOGY-LINE

### Better results and more samples in less time.

Speed rates up to 15 000 Rpm and with 21 380 RCF accommodate a high number of samples to increase efficiency and throughput in your lab.

### Wide range of capabilities.

Four rotors are optional complete with 24 place 1.5/2.0mL tubes, bigger 5.0mL, smaller 0.2mL and 0.5mL tubes with the use of adapters. Rotor of PCR 8x 4 is also available

### Powerful cooling system for precise temperature control

Pre-cooling program ensures optimal protection of the sample before warming. This is ideal for temperature sensitive samples in molecular biology and R&D applications.



#### Centrifuge Description

<b>AFI-MICROV-E</b>	LIA Centrifuge Ventilated + Angular rotor 24x2 ml
<b>AFI-MICROR-E</b>	LIA Centrifuge Refrigerated + Angular rotor 24x2 ml
<b>AFI-MICROV-E-PCR</b>	LIA Centrifuge Ventilated + Angular rotor PCR
<b>AFI-MICROR-E-PCR</b>	LIA Centrifuge Refrigerated + Angular rotor PCR
<b>AFI-MICROV-E-H</b>	LIA Centrifuge Ventilated + Hematocrit rotor

#### Specifications

#### Angular Rotor

Max Speed	15000rpm
Max RCF	21380g
Max Loading	18x 5ml
Dim. (HxWxD)	Ventilated : 27x28x37 cm Refrigerated : 23x33x55 cm
Pack dim.	V : 35x44x45 cm / R : 35x50x65 cm
Weight	V : 12kg / R : 30kg



# FIXED ANGULAR ROTORS

## Accessories selection guide



### Angular rotor 24x2ml - 45° - Sealed

Model	V	R
Max Capacity	24 x 2ml	
Angle	45°	
RPM Max	15 000	15 000
ACR Max	21 380	21 380



#### Tubes

Capacity (ml)	1,5-2	0,2	0,5
∅ x L (mm)	11x38	6x18	8x30
Tubes per adapter / rotor	24	1 24	1 24

#### Accessories

			
Hole ∅ X L(mm)	11,2x40,5		8,3x39
Radius	85	83	83
Ref.	AFI-MICRO24-2	AFI-M2R02*	AFI-M2R05*

\* Set of 24



### Angular rotor 4x PCR8 - 45° - Sealed

Model	V	R
Max Capacity	32 x 0,2ml	
Angle	45°	
RPM Max	15 000	15 000
ACR Max	21 380	21 380



#### Tubes

Capacity (ml)	<b>8x0,2</b>
∅ x L (mm)	6x22
Tubes per adapter / rotor	4

#### Accessories

	
Hole ∅ X L(mm)	6,5x20,4
Radius	85
Ref.	AFI-MICROPCR8-4



# FIXED ANGULAR ROTORS

## Accessories selection guide

### Angular rotor 12x5ml (micro conical bottom) - 45° - Sealed

Model	V	R
Max Capacity	12 x 5ml	
Angle	45°	
RPM Max	15 000	15 000
ACR Max	21 380	21 380



#### Tubes

Capacity (ml)	5
Ø x L (mm)	16,5x56
Tubes per adapter / rotor	12

#### Accessories



Hole Ø X L (mm)	17,5x44
Radius	85

<b>Ref.</b>	<b>AFI-MICRO12-5</b>
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\* Set of 12

### Angular rotor 18x5ml (micro round bottom) - 45° - Sealed

Model	V	R
Max Capacity	18 x 5ml	
Angle	45°	
RPM Max	15 000	15 000
ACR Max	21 380	21 380



#### Tubes

Capacity (ml)	5
Ø x L (mm)	13,5x56
Tubes per adapter / rotor	18

#### Accessories



Hole Ø X L (mm)	13,7x39
Radius	85

<b>Ref.</b>	<b>AFI-MICRO18-5</b>
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\* Set of 18

## Angular rotor 36x0,5ml - 45° - Sealed

Model	V	R
Max Capacity	36 x 0,5ml	
Angle	45°	
RPM Max	15 000	15 000
ACR Max	21 380	21 380



### Tubes

	V	R
Capacity (ml)	0,5	0,2
Ø x L (mm)	8x36	6x18
Tubes per adapter / rotor	36	1 36

### Accessories

		
Hole Ø X L (mm)	8,2x29,3	
Radius	85	83

## HEMATOCRIT CENTRIFUGE

### LIA ventilated + Hematocrit Rotor - Sealed

Model	V
Max Capacity	24
Angle	90°
RPM Max	12 000
ACR Max	18 620



+



### Tubes

Capacity (ml)	-
Ø x L (mm)	1,6x76
Tubes per adapter / rotor	24

### Accessories

	 + 
Hole Ø X L (mm)	2,6x80
Radius	116




### Ref.

AFI-MICROV-E-H



## DATA SHEET



Spécifications - Specifications			
Modèle - Model	Ventilé - Ventilated	Réfrigéré -Refrigerating	
Centrifugeuse de paillasse <i>Benchtop centrifuge</i>			
Référence - Reference	AFI-MICROV-E	AFI-MICROR-E	
Caractéristiques électriques - Electrical specifications			
Tension nominale - Nominal voltage (+/- 10%)	230 V	230 V	
Fréquence - Frequency	50 / 60 Hz	50 / 60 Hz	
Puissance alimentation max. - Power max.	200 W	400 W	
Conformité aux directives Européennes - Compliance with European directives			
Certification CE CE Certification	✓	✓	
Caractéristiques principales (voir brochure) - Main specifications (see brochure for full specification)			
Rotors Angulaires <i>Fixed angle rotors</i> 	Capacité max. Max. capacity	Rotor AFI-MICRO18-5	18 x 5 ml
	RPM max.	Rotor AFI-MICRO18-5	15000 rpm
	ACR max Max. RCF		21380 g
Confinement biologique - Biocontainment			✓
Dimensions & poids - Dimensions & Weight			
Dimensions (HxLxL) - Foot print Dimensions (HxWxD)	27 x 28 x 37 cm	28 x 33 x 55 cm	
Dimensions emballage (HxLxL) - Package dimension (HxWxD)	35 x 44 x 45 cm	35 x 50 x 65 cm	
Hauteur couvercle ouvert - Opened lid height	48 cm	48 cm	
Poids net - Weight unpacked	12 Kg	30 Kg	
Poids emballé - Weight packed	15 kg	34 kg	

## Description de la centrifugeuse / Centrifuge description

Référence - Reference	AFI-MICROV-E	AFI-MICROR-E
Ecran L <i>LCD screen</i>		✓
Commandes <i>Commands</i>	Molette + Touches tactiles <i>Knob + Tactiles Buttons</i>	
Contrôle par microprocesseur <i>Microprocessor control</i>		✓
Reconnaissance automatique du rotor <i>Automatic rotor recognition</i>		✓
Détection de balourd <i>Imbalance detection</i>		✓
Durées de cycle <i>Cycle duration</i>	30 s à 99mn continues <i>30s to 99mn Continuous</i>	
Unités de température <i>Temperature units</i>	°C / °F	
Chambre de centrifugation <i>Centrifugation chamber</i>	Inox	
Densité max. <i>Max. density</i>	1.2 g / cm <sup>3</sup>	
Moteur à induction sans charbon <i>Brushless induction motor</i>		✓
Précision de vitesse <i>Speed accuracy</i>	± 20 rpm	
Fonction Pulse <i>Pulse (short run)</i>		✓
Décélération libre <i>Brakeless mode</i>		✓
Système de réfrigération <i>Cooling system</i>	Ventilation <i>Ventilation device</i>	Sans CFC <i>CFC free</i>
Plage de réglage en température <i>Range of setting temperature</i>	N/A	-20°C → +40°C
Fonction de pré-refroidissement <i>Precool function</i>	N/A	✓
Niveau sonore max. <i>Max. noise</i>	≤ 64 dB(A)	≤ 56 dB(A)

## Clinical Centrifuge LABORATORY-LINE

### A compact centrifuge

The LIA Labo centrifuge is very compact and can be placed on every bench. In this way each station will be equipped with its own centrifuge.

### Optimized capacity

The LIA Labo is supplied with an angled rotor that can hold up to 12 5 and 10 mL tubes or 8 15 mL tubes.

### A dedicated centrifuge

Widely used in clinical laboratories, small laboratories and veterinary laboratories to centrifuge blood and urine samples.



#### Centrifuge Description

<b>AFI-LABOV-E</b>	LIA Labo Centrifuge Ventilated
<b>Specifications</b>	Angular Rotor
Max Speed	4500rpm
Max RCF	2490g
Max Loading	12x 5ml, 10ml
Dim. (HxWxD)	22x30x35.5 cm
Weight	6kg






# FIXED ANGULAR ROTORS



## Accessories selection guide



### Angular rotor 12x5ml/10ml & 8x15ml - 45° - Sealed

Model	V	
Max Capacity	12 x 5ml / 10mL	8x 15mL
Angle	45°	
RPM Max	4 500	
ACR Max	2 490	

				
<b>Tubes</b>				
Capacity (ml)		1,6-7	10	15
Ø x L (mm)		13x75 / 100	16x100	17x120
Tubes per adapter / rotor		12	12	8
<b>Accessories</b>				
			-	-
Hole Ø X L(mm)				
Radius		110	110	110
Ref.	included	included	-	-

Spécifications - Specifications								
Modèle - Model	Ventilé - Ventilated							
Centrifugeuse de paillasse Benchtop centrifuge								
Référence - Reference	AFI-LABOV-E							
Caractéristiques électriques - Electrical specifications								
Tension nominale - Nominal voltage (+/- 10%)	100V – 240 V							
Fréquence - Frequency	50 / 60 Hz							
Puissance alimentation max. - Power max.	70 W							
Conformité aux directives Européennes - Compliance with European directives								
Certification CE CE Certification	✓							
Caractéristiques principales (voir brochure) - Main specifications (see brochure for full specification)								
	<table border="1"> <tr> <td>Capacité max. Max. capacity</td> <td rowspan="3">inclus</td> <td>12x 5 ml, 10ml</td> </tr> <tr> <td>RPM max.</td> <td>4500 rpm</td> </tr> <tr> <td>ACR max Max. RCF</td> <td>2490 g</td> </tr> </table>	Capacité max. Max. capacity	inclus	12x 5 ml, 10ml	RPM max.	4500 rpm	ACR max Max. RCF	2490 g
Capacité max. Max. capacity	inclus	12x 5 ml, 10ml						
RPM max.		4500 rpm						
ACR max Max. RCF		2490 g						
Couvercle - Lid	✓							
Dimensions & poids - Dimensions & Weight								
Dimensions (HxLxL) - Foot print Dimensions (HxWxD)	22x30x35.5 cm							
Dimensions emballage (HxLxL) - Package dimension (HxWxD)								
Hauteur couvercle ouvert - Opened lid height								
Poids net - Weight unpacked	6 Kg							
Poids emballé - Weight packed	kg							
Description de la centrifugeuse / Centrifuge description								
Ecran LCD LCD screen	✓							
Commandes Commands	Molette + Touches tactiles Knob + Tactiles Buttons							
Contrôle par microprocesseur Microprocessor control	✓							
Fonctions de sécurité Safety devices	Verrouillage couvercle / Détection sur-vitesse / Détection sur-température / Auto Diagnostique Door interlock / Over-speed detection / Over-temperature detection / Automatic internal diagnosis							
Durées de cycle Cycle duration	30 s à 99mn continues 30s to 99mn Continuous							
Unités de température Temperature units	°C / °F							
Chambre de centrifugation Centrifugation chamber	Inox							
Densité max. Max. density	1.2 g / cm <sup>3</sup>							
Moteur à induction sans charbon Brushless induction motor	✓							
Précision de vitesse Speed accuracy	± 20 rpm							
Fonctions Avancées Advance Features	Choix vitesse-RCF / Fonction pulse / Alertes sonores Speed/RCF switch / Short time run function / sound alert function							
Décélération libre Brakeless mode	✓							
Niveau sonore max. Max. noise	≤ 54dB							

AUTOKLAVEN & STERILISATOREN | SPÜLMASCHINEN | SICHERHEITSWERKBÄNKE  
CO2-INKUBATOREN | ZENTRIFUGEN | REIN- & REINSTWASSERSYSTEME  
ULTRATIEFKÜHLSCHRÄNKE | MEDIENZUBEREITUNG | SERVICE, WARTUNG, VALIDIERUNG

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