

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 uncapping system during centrifugation offer an undeniable time saving to laboratories during the prophylaxis period for example. 96 tubes can be centrifuged and uncapped at the same time before being transferred to the automatic machines.

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.

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)



The image shows the AFI INNOVATION logo, which consists of the letters 'AFI' in a stylized font with a red swoosh above it, and the word 'INNOVATION' below it. To the right of the logo is a 3D rendering of a microchip assembly. It features two square chips with green solder bumps, mounted on a grey substrate. A small black component is also visible between the chips.

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

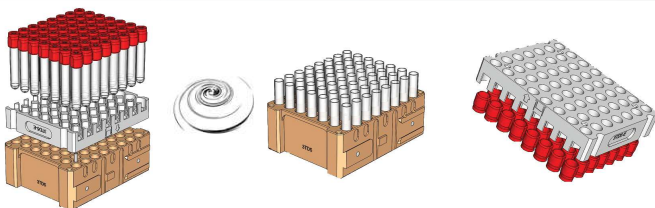
Capacity (ml)	-	1,6-5	-	-	-	-	-	-
Ø x L (mm)	-	13x75	-	-	-	-	-	-
Tubes per adapter / rotor	-	49/96	-	-	-	-	-	-

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 uncapped 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)				
	Capacité max. Max. capacity	96 tubes 5ml		
	RPM max.	AFI-RHD3 AFI-BHD3	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-E-BB	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 / cm³		
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 température 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		