

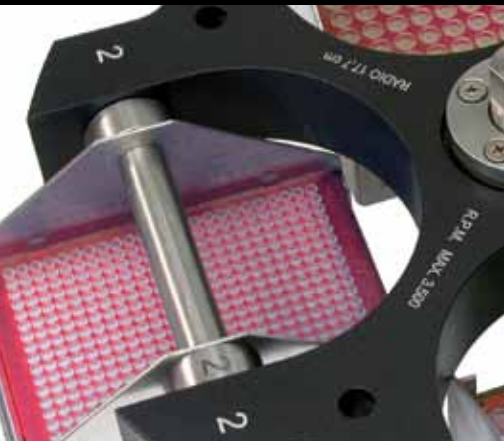
orto alresa

Centrifuges and laboratory products

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General applications: Centrifuges: Universal

UNICEN 21

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Centrifuges: Universal: Unicen 21

IVD CE

Universal, compact, versatile and quiet, are concepts which define the **Unicen 21**. Essential on demanding labs which need a reliable result on a short time, without scarifying the number of samples.

Max capacity 4 tubes of 100 ml, reach up to 4.200 RPM/ 2.899 xg, with 9 interchangeable rotors and up to 40 set of different adapters, covering the basical requirement on separation of clinics, industries, research centers, ...

Speed and time are shown on digital displays easily readable, and lid can be open automatically at the end of the run, allowing to the operator a higher autonomy on routine process.

It's provided of safety systems essentials for a safety processing, with brushless engine maintenance free, unbalance switch off, chamber in stainless steel, lid lock motorized...

Ideal for run a reduced number of samples, it's undoubtedly the most appropriated choice for emergency labs, due to its reduce the time on sample preparation.

Simplifying separation.

User friendliness

- LED screen shown RPM/RCF (on steps 100 RPM/10xg) and time.
- Intuitive handling through start, stops, short spin and play keys.
- Rotor list on memory.
- Timer count up/down, from 0 or at "set RPM/RCF" for test reproducibility.
- Short spin key with speed adjustable.
- Acceleration and braking selectable by operator
- Automatic open lid.
- Last values remain on memory.
- Lid latch lock.
- Microprocessor controlled.
- Option: free or locked adjustment of RPM/RCF along the run.

Features

- Induction motor maintenance free.
- Max. capacity 4 x 100 ml.
- Speed, up to 4.200 RPM / 2.899 xg.
- Quiet: noise level < 60 dB.

Safety

- Lid locking and holding.
- Imbalance switch off.
- Manual overriding.
- Chamber of centrifugation in stainless steel.
- Viewing and calibration port in the lid.
- Several messages keep the operator informed about the device situation.
- Guard ring between the chamber of centrifugation and the housing.
- Forced ventilation which reduces the temperature increase.
- Lid dropping protection.

EU Directives: 98/79/EC, 2006/95/EC, 2004/108/EC, 2011/65/EU, 2012/19/EU








Standards: EN 61010-1, EN 61010-2-020, EN 61326-1

Versions

Code	Dimensions (mm)(w x d x h)			Net weight (Kg)	Voltage (V)	Frecuency (Hz)	Consumption (W)
CE 126	410	530	320	36	220-240	50-60	200
CE 127	410	530	320	36	110-120	50-60	200

Accessories

Centrifuges Unicen 21

		RT 177 		RT 175 		RT 173 (1) 		RT 172 		RT 226 		RT 160 		RT 161 	
ROTOR		SWING OUT		SWING OUT		SWING OUT		SWING OUT		ANGLE FIXED 30 °		ANGLE FIXED 35 °		ANGLE FIXED 35 °	
Max. capacity		8 x 15 ml.		4 x 50 ml.		4 x 100 ml.		2. KEROSENO		8 x 15 ml.		12 x 15 ml.		18 x 15 ml.	
RPM		4.200		4.200		4.200		4.200		4.200		4.200		4.200	
Radius(mm)		145		145		147		136		91		106		132	
RCF Max. (xg)		2.860		2.860		2.899		2.682		1.795		2.090		2.603	
SAMPLE VOLUME	Dim (mm) approx.	ADAPTERS		ADAPTERS		ADAPTERS		ADAPTERS		ADAPTERS		ADAPTERS		ADAPTERS	
		Tubes	Ref.	Tubes	Ref.	Tubes	Ref.	Tubes	Ref.	Tubes	Ref.	Tubes	Ref.	Tubes	Ref.
100ml	ø48 x 95	-	-	-	-	4	RE 446	-	-	-	-	-	-	-	-
80 ml. hs	ø38 x 112	-	-	-	-	4	RE 380	-	-	-	-	-	-	-	-
80 ml.	ø44 x 100	-	-	-	-	4	RE 338	-	-	-	-	-	-	-	-
50 ml. hs	ø29 x 108	-	-	4	RE 378	4	RE 381	-	-	-	-	-	-	-	-
50 ml.	ø35 x 100	-	-	4	RE 445	4	RE 335	-	-	-	-	-	-	-	-
50 ml. conical	ø29 x 117	-	-	4	RE 342	4	RE 341	-	-	-	-	-	-	-	-
30 ml. hs	ø25 x 98	-	-	4	RE 379	4	RE 382	-	-	-	-	-	-	-	-
30 ml.	ø25 x 98	-	-	4	RE 333	4	RE 332	-	-	-	-	-	-	-	-
15 ml.	ø16 x 100	8	-	4	RE 329	16	RE 316	-	-	8	-	12	-	18	-
15 ml. conical	ø17 x 122	-	-	4	RE 329	4	RE 339	-	-	8	-	12	-	18	-
10 ml. hs	ø16 x 80	8	RE 398	4	RE 329	16	RE 316	-	-	8	RE 398	12	RE 399	18	RE 383
10 ml.	ø13 x 100	8	RE 371	12	RE 313	20	RE 320	-	-	8	RE 371	12	RE 400	18	RE 359
10 ml. blood sample	ø16 x 107	8	-	4	RE 329	16	RE 316	-	-	8	-	12	-	18	-
7/10 ml. blood sample	ø13 x 107	8	RE 371	4	RE 337	20	RE 320	-	-	8	RE 371	12	RE 400	18	RE 359
5 ml.	ø13 x 75	8	RE 377	12	RE 313	20	RE 320	-	-	8	RE 377	12	RE 302	18	RE 303
5 ml. blood sample	ø13 x 82	8	RE 377	4	RE 337	20	RE 320	-	-	8	RE 377	12	RE 302	18	RE 303
Microtubes 1,5-2ml	ø11 x 39	-	-	18	RE 463	20	RE 408	--	-	-	-	-	-	-	-

(1) This rotor can be supplied with hermetic lids (RE 355)

		RT 163		RT 167	
		ANGLE FIXED 35 °		ANGLE FIXED 35 °	
Max. capacity		24 x 15 ml.		6 x 50 ml.	
RPM		4.200		4.200	
Radius(mm)		132/114		132	
RCF Max. (xg)		2.603/2.248		2.603	
SAMPLE VOLUME	Dim (mm) approx.	ADAPTERS		ADAPTERS	
		Tubes	Ref.	Tubes	Ref.
100 ml	ø48 x 95	-	-	-	-
80 ml. hs	ø38 x 112	-	-	-	-
80 ml.	ø44 x 100	-	-	-	-
50 ml. hs	ø29 x 108	-	-	6	RE 386
50 ml.	ø35 x 100	-	-	6	RE 447
50 ml.conical	ø29 x 117	-	-	6	RE 365
30 ml. hs	ø25 x 98	-	-	6	RE 387
30 ml.	ø25 x 96	-	-	6	RE 362
15 ml.	ø16 x 100	24	-	6	RE 361
15 ml. conical	ø17 x 122	12	-	6	RE 361
10 ml. hs	ø16 x 80	24	RE 384	6	RE 361
10 ml.	ø13 x 100	24	RE 385	18	RE 360
10 ml. blood sample	ø16 x 107	24	-	6	RE 361
7/10 ml. blood sample	ø13 x 107	24	RE 385	6	RE 364
5 ml.	ø13 x 75	24	RE 306	18	RE 360
5 ml. blood sample	ø13 x 82	24	RE 306	6	RE 364
Microtubes 1,5-2 ml	ø11 x 39	-	-	18	RE 464



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About centrifugation

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