

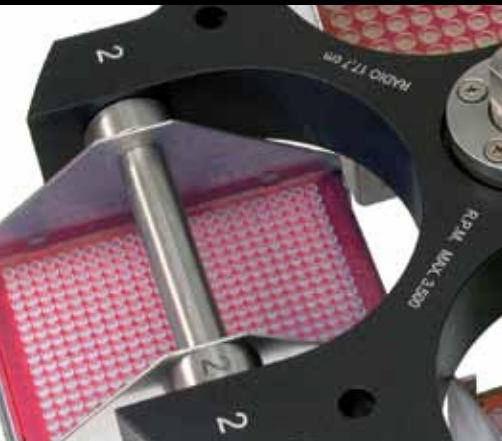
orto alresa

Centrifuges and laboratory products

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General applications: Centrifuges: High capacity

Series DIGTOR 21

DIGTOR 21



Centrifuges: High capacity: Series Digtor 21

IVD CE

The centrifuge **Digitor 21** is a versatile device, allowing be present on routine labs, research, biotechnology, quality control, hospitals, etc.

It is provided of several advantages as:

- Innovation: with a TFT touch screen allowing operator the highest autonomy, controlling the separation, as well as a save energy system selectable.
- Versatility: since 4 x 750 ml, 52 conical tubes of 15 ml, rotor for microplates, microtubes, and a wide range of adapters.
- Safety: always shown on screen real values of RCF, based on accessories selection, automatically, no data introduction is required. Accessories for bio containment.
- Efficiency: Max RCF 20.804 xg, selection of acceleration and braking time, depending of sample performances.

Your best partner on lab.

User friendliness

- TFT touch screen easy to read and values selection (RPM on steps of 100, RCF on steps of 10xg), time, temperature (1°C steps), acceleration/deceleration (1 second steps).
- The screen which indicates the status can be seen from more than 3 m.
- Rotor and adapters list on memory.
- Real values on screen of RCF based on accessories configuration.
- Timer count up/down, from 0 or at "set RPM/RCF" for test reproducibility.
- Short spin key with speed adjustable.
- Progressive acceleration and braking selectable by operator up to 175 ramps.
- Program data protection through password selectable.
- Automatic open lid (only non-refrigerated).
- Automatic rotor recognition.
- Automatic lid latch lock.
- Microprocessor controlled.
- Option: free or locked adjustment of RPM/RCF along the run.

Features

- Induction motor maintenance free
- High capacity: Max. Volume 4 x 750 ml.
- High speed, up to 20.804 xg/14.300 RPM.
- Quiet: noise level < 60 dB.
- 16 memories for programs.

Safety

- Lid locking and holding.
- Imbalance switch off.

- Manual overriding.
- Lid dropping protection.
- Chamber of centrifugation in stainless steel.
- Viewing and calibration prot 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 (only non-refrigerated).

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 112	540	650	390	50	220-240	50-60	980
CE 118	540	650	390	50	110-120	50-60	980

DIGTOR 21R



Centrifuges: High capacity: Series Digtor 21

IVD CE

The series **Digitor 21R** is formed for devices highly functional, so that allow be present on routine labs, research, biotechnology, quality control ...

The Digitor 21 R centrifuge is defined by several attributes as:

- Innovation: its provided of TFT touch screen allowing higher automony to the operator as well as control the separation stages, and save energy system selectable.
- Versatility: from 4 x 750 ml, 52 conical tubes of 15 ml, rotor for microplates, microtubes, and a wide range of adapter for each one.
- Safety: It shows the real value of RCF based on accessories configuration, without introduce any parameter, as well as is provided of biocontainment accesories.
- Efficiency: Max RCF 20.804 xg, acceleration and deceleration time selectables, depending of sample features, dynamic cooling system which reduces the time to reach the selected temperature.

Your best help in your lab.

User friendliness

- TFT touch screen easy to read and values selection (RPM on steps of 100, RCF on steps of 10xg), time, temperature (1°C steps), acceleration/deceleration (1 second steps).
- The screen which indicates the status can be seen from more than 3 m.
- Rotor and adapters list on memory.
- Real values on screen of RCF based on accessories configuration.
- Timer count up/down, from 0 or at "set RPM/RCF" for test reproducibility.
- Short spin key with speed adjustable.
- Progressive acceleration and braking selectable by operator up to 175 ramps.
- Program data protection through password selectable.
- Automatic rotor recognition.
- Automatic lid latch lock.
- Microprocessor controlled.
- Option: free or locked adjustment of RPM/RCF along the run.

Features

- Induction motor maintenance free
- High capacity: Max. Volume 4 x 750 ml.
- High Speed, up to 20.804xg./14.300 RPM.
- Quiet: noise level < 60 dB.
- 15 memories + pre-cooling program.

Safety

- Lid locking and holding.

- Imbalance switch off.
- Lid dropping protection.
- Manual overriding.
- Chamber of centrifugation in stainless steel.
- Viewing and calibration prot in the lid.
- Several messages keep the operator informed about the device situation.
- Guard ring between the chamber of centrifugation and the housing.

Cooling

- Precooling program with rotor spinning and temperature selectable by operator.
- 4°C at least at max speed with any rotor.
- Range of temperature -20°C (-4°F) to 40°C (104°F)
- Scale Celsius or Fahrenheit.
- Temperature sensor inside the chamber.
- Gas R 404A HFC.

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

Regulation: 1005/2009 & 842/2006.

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)	Z max Advisable(Hz)
CE 115	720	805	390	95	220-240	50-60	1500	< 0.446
CE 121	720	805	390	95	110-120	50-60	1500	< 0.446

Accessories

Centrifuges Series Digtor 21

		RT 195		RT 192		RT 191 (1)		RT 238		RT 197		RT 198		RT 199	
															
ROTOR		SWING OUT		SWING OUT		SWING OUT		ANGLE FIXED 30 °		ANGLE FIXED 45 °		ANGLE FIXED 45 °		ANGLE FIXED 30 °	
Max. capacity		104 x 5 ml.		4 x 250 ml.		4 x 750 ml.		6 x 85 ml		8 x 50 ml.		4 x 100 ml.		4 x 250 ml.	
RPM		3.800		4.200		3.700		9.000		6.000		5.600		4.700	
Radius(mm)		185		202		204		112		149		138		153	
RCF Max. (xg)		2.987		3.984		3.122		10.142		5.997		4.838		3.779	
Min. temp. max speed (°C)		0		1		0		1		0		-1		-4	
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.
750 ml.	ø96 x 130	-	-	-	-	4	RE 434	-	-	-	-	-	-	-	-
500 ml.	ø90 x 120	-	-	-	-	4	RE 310	-	-	-	-	-	-	-	-
250 ml.	ø61 x 129	-	-	4	RE 449	4	RE 330	-	-	-	-	-	-	4	RE 449
100 ml.	ø48 x 95	-	-	4	RE 327	4	RE 409	-	-	-	-	4	RE 446	4	RE 327
85 ml.	ø38 x 112	-	-	4	RE 498	12	RE 500	6	-	-	-	4	RE 502	4	RE 498
50 ml.	ø35 x 100	-	-	4	RE 334	16	RE 317	6	RE 490	8	RE 448	4	RE 335	4	RE 334
50 ml. conical	ø29 x 117	-	-	4	RE 340	20	RE 472	6	RE 483	8	RE 375	4	RE 341	4	RE 340
30 ml.	ø25 x 96	-	-	12	RE 312	24	RE 322	6	RE 493	8	RE 370	4	RE 332	12	RE 312
15 ml.	ø16 x 100	-	-	28	RE 376	72	RE 348	18	RE 485	8	RE 369	16	RE 316	28	RE 376
15 ml. conical	ø17 x 122	-	-	20	RE 321	52	RE 347	6	RE 484	8	RE 369	4	RE 339	20	RE 321
15 ml. blood sample	ø16 x 132	-	-	28	RE 376	32	RE 441	-	-	8	RE 369	-	-	28	RE 376
10 ml.	ø13 x 100	104	RE 309	40	RE 343	84	RE 354	30	RE 497	24	RE 366	20	RE 320	40	RE 343
10 ml. blood sample	ø16 x 107	-	-	28	RE 376	72	RE 348	18	RE 485	8	RE 369	16	RE 316	28	RE 376
7/10 ml. blood sample	ø13 x 107	104	RE 309	28	RE 324	72	RE 349	18	RE 503	8	RE 373	20	RE 320	28	RE 324
5 ml.	ø13 x 75	104	RE 388	40	RE 343	84	RE 354	30	RE 501	24	RE 366	20	RE 320	40	RE 343
5 ml. blood sample	ø13 x 82	104	RE 388	28	RE 324	72	RE 349	18	RE 492	8	RE 373	20	RE 320	28	RE 324
10 x 100 mm	ø10 x 100	-	-	52	RE 346	144	RE 315	-	-	24	RE 367	36	RE 326	52	RE 346
128x86x15 microtiter	ø128x86x15	-	-	-	-	12	RE 307	-	-	-	-	-	-	-	-
Microtubes 1,5-2 ml.	ø11x39	-	-	24	RE 440	72	RE 426	24	RE 494	24	RE 465	20	RE 408	24	RE 440
Microtubes 0,5-0,6 ml.	ø8x30	-	-	-	-	-	-	24	RE 495	-	-	-	-	-	-
Microtubes 0,2-0,4 ml.	ø6x45	-	-	-	-	-	-	24	RE 496	-	-	-	-	-	-

(1) Available lids for that buckets (RE 356) | (2) This rotor can fit adapters for blood bags (RE 308). | (3) Medium radius on bucket.

		RT 206	RT 201 (1) (2)	RT 202			
							
ROTOR		ANGLE FIXED 30 °	SWING OUT	SWING OUT			
Max. capacity		30 x 1,5-2 ml.	4 blood bags	12 Microtiter plates			
RPM		14.300	3.700	3.700			
Radius(mm)		96	204	182 (3)			
RCF Max. (xg)		21.948	3.122	2.786			
Min. temp. max speed (°C)		-1	0	-4			
SAMPLE VOLUME	Dim (mm) approx.	ADAPTERS		ADAPTERS		ADAPTERS	
		Tubes	Ref.	Tubes	Ref.	Tubes	Ref.
750 ml.	ø96 x 130	-	-	4	RE 434	-	-
500 ml.	ø90 x 120	-	-	4	RE 310	-	-
250 ml.	ø61 x 129	-	-	4	RE 330	-	-
100 ml.	ø48 x 95	-	-	4	RE 409	-	-
85 ml.	ø38 x 112	-	-	12	RE 500	-	-
50 ml.	ø35 x 100	-	-	16	RE 317	-	-
50 ml. conical	ø29 x 117	-	-	20	RE 472	-	-
30 ml.	ø25 x 96	-	-	24	RE 322	-	-
15 ml.	ø16 x 100	-	-	72	RE 348	-	-
15 ml. conical	ø17 x 122	-	-	52	RE 347	-	-
15 ml. blood sample	ø16 x 132	-	-	32	RE 441	-	-
10 ml.	ø13 x 100	-	-	84	RE 354	-	-
10 ml. blood sample	ø16 x 107	-	-	72	RE 348	-	-
7/10 ml. blood sample	ø13 x 107	-	-	72	RE 349	-	-
5 ml.	ø13 x 75	-	-	84	RE 354	-	-
5 ml. blood sample	ø13 x 82	-	-	72	RE 349	-	-
10 x 100 mm	ø10 x 100	-	-	144	RE 315	-	-
Microtiter	ø128x86x15	-	-	12	RE 307	12	-
Microtubes 1,5-2 ml.	ø11x39	30	-	72	RE 426	144	RE 460
Microtubes 0,5-0,6 ml.	ø8x30	30	RE 428	-	-	-	-
Microtubes 0,2-0,4 ml.	ø6x45	30	RE 427	-	-	-	-



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About centrifugation

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Edition: january 2014

