



Ref. 1465/1465R

## GENERAL CHARACTERISTICS

Centrifuge universal, table top laboratory centrifuge ventilated (refrigerated HISTAM-R) applied in medical, biochemical, food processing and other laboratories.

- Microprocessor control of spinning parameters provides high repeatability of results.
- Free programming of speed, relative centrifugal force (RCF), time, temperature (HISTAM-R) characteristics of acceleration and deceleration.
- 99 programs are available.
- 10 acceleration and deceleration curves.
- Ecological and efficient cooling system (HISTAM-R).
- Automatic rotor identification prevents rotors overspeeding. Errors indication system.
- Recording of working parameters - RS 232 (option).
- Precooling of rotor chamber (HISTAM-R).
- Option high speed rotors to 18000 rpm (HISTAM-R).
- Full metal case and stainless steel chamber.


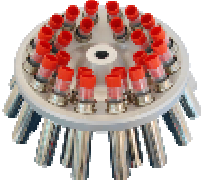
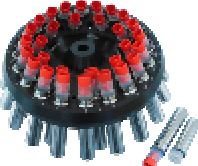
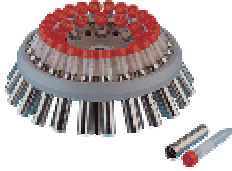

Product according to national and international safety regulations EN-61010-1 and EN-61010-2-020 for laboratory equipments (CE).

Ref	Dimensions W x H x D	Weight	Consumption W
<b>1465/1465R</b>	410x370x510 / 410x370x640mm.	35 / 59Kg.	410 / 873
Capacity	Max. R.p.m	Max. RCF	
1000 (4x250) ml.	18000	30065 xg.	
Maintenance-free	Timer	Voltage	Brushless
Yes	1-99 min ∞	130/250v. 50/60Hz.	Yes
Display	Rotor identification	Refrigerant	Temperature range °C
Digital	Yes	NO	-20 + 40



Rotor		Accessories information				
	12x1,5/2,2ml.	Accessories	Ø x Long	Tubes	Ref.	
			Ø10.8x43mm	12		
	Angle 45 Max. 18000 R.p.m. Max. 24088 xg Hermetically sealed lid	Round carriers 0,2 ml.	Ø6,2mm	12	<b>4133</b>	
		Round carriers 0,4 ml.	Ø5,7mm	12	<b>4126</b>	
		Round carriers 0,5 ml.	Ø8mm	12	<b>4084</b>	
Ref. 1465-1199						
Rotor		Accessories information				
	24x1,5/2,2ml.	Accessories	Ø x Long	Tubes	Ref.	
			Ø10.8x43mm	24		
	Angle 45 Max. 18000 R.p.m. Max. 30065 xg Hermetically sealed lid	Round carriers 0,2 ml.	Ø6,2mm	24	<b>4133</b>	
		Round carriers 0,4 ml.	Ø5,7mm	24	<b>4126</b>	
		Round carriers 0,5 ml.	Ø8mm	24	<b>4084</b>	
Ref. 1465-1461						
Rotor		Accessories information				
	30x1,5/2,2ml.	Accessories	Ø x Long	Tubes	Ref.	
			Ø10.8x43mm	30		
	Angle 45 Max. 15000 R.p.m. Max. 20878 xg Hermetically sealed lid	Round carriers 0,2 ml.	Ø6,2mm	30	<b>4133</b>	
		Round carriers 0,4 ml.	Ø5,7mm	30	<b>4126</b>	
		Round carriers 0,5 ml.	Ø8mm	30	<b>4084</b>	
Ref. 1465-1259						
Rotor		Accessories information				
	36x1,5/2,2ml.	Accessories	Ø x Long	Tubes	Ref.	
			Ø10.8x43mm	36		
	Angle 45 Max. 18000 R.p.m. Max. 30065 xg Hermetically sealed lid Biologic sec.	Round carriers 0,2 ml.	Ø6,2mm	36	<b>4133</b>	
		Round carriers 0,4 ml.	Ø5,7mm	36	<b>4126</b>	
		Round carriers 0,5 ml.	Ø8mm	36	<b>4084</b>	
Ref. 1465-1462						
Rotor		Accessories information				
	24x1,5/2,2ml	Accessories	Ø x Long	Tubes	Ref.	
	FILTER			24		
	Angle 45 Max. 15000 R.p.m. Max. 20878 xg Hermetically sealed lid					
Ref. 1465-1739						

Rotor		Accessories information			
	36x0,5ml.	Accessories	Ø x Long	Tubes	Ref.
	Angle 45 Max. 18000 R.p.m. Max. 29703 xg Hermetically sealed lid			36	
		Round carriers 0,2 ml.	Ø6,2mm	36	<b>4133</b>
Ref. 1465-1460					
Rotor		Accessories information			
	6x(8x0,2)ml.	Accessories	Ø x Long	Tubes	Ref.
	PCR			48	
	Angle 45 Max. 10000 R.p.m. Max. 10621 xg Hermetically sealed lid				
Ref. 1465-1468					
Rotor		Accessories information			
	12x10ml.	Accessories	Ø x Long	Tubes	Ref.
	Angle 30 Max. 15000 R.p.m. Max. 21381 xg Hermetically sealed lid		Ø16x75mm	12	
Ref. 1465-1459					
Rotor		Accessories information			
	12x15ml	Accessories	Ø x Long	Tubes	Ref.
	Angle 30 Max. 12000 R.p.m. Max. 15133 xg Hermetically sealed lid		Ø16x100mm	12	
Ref. 1465-1467					
Rotor		Accessories information			
	10x15ml Fal.	Accessories	Ø x Long	Tubes	Ref.
	Angle 30 Max. 10000 R.p.m. Max. 10732 xg Hermetically sealed lid Biologic sec		Ø17x120mm	10	
Ref. 1465-1466					

Rotor		Accessories information				
	6x30ml.	Accessories	Ø x Long	Tubes	Ref.	
	Angle 30 Max. 15000 R.p.m. Max. 19621 xg Hermetically sealed lid Biologic sec			Ø24,8x100mm	6	
Ref. 1465-1458						
Rotor		Accessories information				
	8x30ml.	Accessories	Ø x Long	Tubes	Ref.	
	Angle 30 Max. 12000 R.p.m. Max. 14000 xg Hermetically sealed lid			Ø24,8x100mm	8	
Ref. 1465-1273						
Rotor		Accessories information				
	6x50ml. Fal.	Accessories	Ø x Long	Tubes	Ref.	
	Angle 30 Max. 9000 R.p.m. Max. 8693 xg Hermetically sealed lid Biologic sec			Ø35x120mm	6	
		Round carriers 30ml.		Ø24,8x100mm	6	<b>4071</b>
		Round carriers 15 ml. Fal.		Ø17x120mm	6	<b>4089</b>
Ref. 1465-1457						
Rotor		Accessories information				
	6x50ml.	Accessories	Ø x Long	Tubes	Ref.	
	Angle 30 Max. 12000 R.p.m. Max. 14490 xg Hermetically sealed lid			Ø28,8x106mm	6	
Ref. 1465-1469						
Rotor		Accessories information				
	4x85ml.	Accessories	Ø x Long	Tubes	Ref.	
	Nalgene		Ø37,8x106mm	4		
	Angle 30 Max. 9000 R.p.m. Max. 8603 xg Hermetically sealed lid	It's possible to manufacture for 4x30ml. nalgene				
Ref. 1465-1496						

Rotor		Accessories information			
 Ref. 1465-1454C	12x15ml.	Accessories	Ø x Long	Tubes	Ref.
	Angle 30 Max. 5500 R.p.m. Max. 3720 xg	Round carriers 5ml.	Ø13x75mm.	12	<b>4088</b>
		Round carriers 7ml.	Ø13x100mm	12	<b>4082</b>
 Ref. 1465-1453C	24x15ml.	Accessories	Ø x Long	Tubes	Ref.
	Angle 30 Max. 4500 R.p.m. Max. 2332 xg	Round carriers 5ml.	Ø13x75mm.	12	<b>4088</b>
		Round carriers 7ml.	Ø13x100mm	12	<b>4082</b>
 Ref. 1465-1465C	30x15ml.	Accessories	Ø x Long	Tubes	Ref.
	Angle 30 Max. 4500 R.p.m. Max. 3237 xg	Round carriers 5ml.	Ø13x75mm.	12	<b>4088</b>
		Round carriers 7ml.	Ø13x100mm	12	<b>4082</b>
 Ref. 1465-1456C	36x15ml.	Accessories	Ø x Long	Tubes	Ref.
	Angle 30 Max. 4500 R.p.m. Max. 3237 xg	Round carriers 5ml.	Ø13x75mm.	12	<b>4088</b>
		Round carriers 7ml.	Ø13x100mm	12	<b>4082</b>
 Ref. 1465-1211	10x25/30ml. Fal.	Accessories	Ø x Long	Tubes	Ref.
	Angle 30 Max. 4300 R.p.m. Max. 2728 xg		Ø25x100mm	10	<b>3329</b>
		Round carriers 7 / 5ml.	Ø13x75/100mm.	10	<b>4255</b>
		Round carriers 15 / 10ml.	Ø17x100/110mm	10	<b>4256</b>

Rotor		Accessories information				
 <p>Ref. 1465-1211</p>	10x50ml. Fal.	Accessories	Ø x Long	Tubes	Ref.	
			Ø35x100mm	10	<b>3276</b>	
	Angle 30 Max. 4300 R.p.m. Max. 2728 xg	Buckets PC cup.	Ø35x100mm	10	<b>3275C</b>	
		Round carriers 30 / 25ml.	Ø25x100mm.	10	<b>4248</b>	
Rotor		Accessories information				
 <p>Ref. 1465-1272C</p>	4x100ml.	Accessories	Ø x Long	Tubes	Ref.	
			Ø44.5mm	4	<b>3719</b>	
	Angle 30 Max. 6800 R.p.m. Max. 4903 xg	Round carriers 7 / 5ml.	Ø13x75/100mm	16	<b>4186</b>	
		Round carriers 15 / 10ml.	Ø16x100/110mm	16	<b>4187</b>	
		Round carriers 50ml. Falcon	Ø30x120mm	4	<b>4189</b>	
		Round carriers 30 / 25ml.	Ø 25x100mm.	4	<b>4190</b>	
Ruber under tube 100/50/30/25		4	<b>4188</b>			
Rotor		Accessories information				
 <p>Ref. 1465-2172C</p>	Rotor de tambor.	Accessories	Ø x Long	Tubes	Ref.	
	Drum rotor					
	Horizontal Max. 14000 R.p.m. Max. 16450 xg Hermetically sealed lid	Cassetes 20x0,2 / 0,4			120	
		Cassetes 10x1,5 / 2,2			60	
Rotor		Accessories information				
 <p>Ref. 1465-2464C</p>	24x1,5 / 2,2ml.	Accessories	Ø x Long	Tubes	Ref.	
				24		
	Swing out Max. 14000 R.p.m. Max. 15996 xg Hermetically sealed lid	Hangers included			24	<b>3483</b>

Rotor		Accessories information			
	4x200ml.	Accessories	Ø x Long	Tubes	Ref.
	Swing out Max. 5000 R.p.m. Max. 4075 xg	Buckets for 2x50ml. Fal.	Ø30x120mm	8	<b>3042</b>
		Buckets for 50ml. Fal.	Ø30x120mm	4	<b>3045</b>
		Hangers with buckets for 15ml. Fal	Ø16x120mm	16	<b>3044C</b>
		Hangers with buckets for 15ml. Fal	Ø16x120mm	8	<b>3129C</b>
		Buckets 200ml.	Ø56.5x94mm	4	<b>3437</b>
		Buckets W/C 200ml.	Ø56.5x94mm	4	<b>3438C</b>
		Round carriers 100ml.	Ø45.5x100mm	4	<b>4104</b>
		Round carriers 5 / 7ml.	Ø13x75/100mm	28	<b>4106</b>
		Round carriers 5 / 7ml.	Ø13x75/100mm	32	<b>4107</b>
		Round carriers 10ml.	Ø16.7x75mm	28	<b>4108</b>
		Round carriers 5ml.	Ø13.5x85mm	28	<b>4109</b>
		Round carriers 15 / 10ml.	Ø16.7x100mm	28	<b>4110</b>
		Round carriers 15 ml.	Ø16.7x110mm	20	<b>4111</b>
		Round carriers 30 / 25ml.	Ø25x100mm	12	<b>4112</b>
		Round carriers 50ml. Fal.	Ø30x120mm	4	<b>4113</b>
		Round carriers 7ml. / without cap	Ø12.1x100mm	48	<b>4441</b>
		Round carriers 50ml.	Ø35x100mm	4	<b>4444</b>
		Round carriers 5ml. / without cap	Ø12.1x75mm	48	<b>4446</b>
Round carriers 12 / 15ml.	Ø17/19.4x107mm	16	<b>4449</b>		
Round carriers 2.2 / 1.5ml.	Ø11x38.5mm	36	<b>4450</b>		
Ref. 1465-2436a					
Rotor		Accessories information			
	4 x 250ml.	Accessories	Ø x Long	Tubes	Ref.
	Swing out Max. 4000 R.p.m. Max. 2790 xg	Buckets not included	Ø62x107mm		<b>3174</b>
		Round carriers 100ml.	Ø45.5x100mm	4	<b>4151</b>
		Round carriers 50ml.	Ø35/100mm	4	<b>4152</b>
		Round carriers 15 / 10ml. Fal.	Ø17/120mm	20	<b>4153</b>
		Round carriers 5 / 7ml.	Ø13.5/17x81mm	36	<b>4154</b>
		Round carriers 5 / 7ml.	Ø13/14x100mm	48	<b>4155</b>
		Round carriers 10ml.	Ø16/17.7x100mm	32	<b>4156</b>
		Round carriers 15 ml.	Ø16/22x122mm	16	<b>4157</b>
		Round carriers 2,2 / 1,5ml.	Ø11x38,5mm	48	<b>4158</b>
		Round carriers 50ml.	Ø35,5x100mm	4	<b>4159</b>
		Round carriers 25 / 30ml.	Ø25x100mm	12	<b>4160</b>
		Ref. 1465-2173			

Rotor		Accessories information				
 Ref. 1465-2452C	4 x citoset 1,2ml.	Accessories	Ø x Long	Tubes	Ref.	
		Hangers cytocontainer		4	<b>13606</b>	
	Swing out Max. 2500 R.p.m. Max. 768 xg		Cytocontainer 100 pcs.			<b>16610</b>
			Tubes with cap 2,2ml. 100 pcs.	Ø10,8x43mm		<b>15123</b>
			Microscope slide 100 pcs.			<b>16614</b>
			Filter card 100 pcs.	Ø7mm		<b>16615</b>
			Filter card 100 pcs.	Ø9,5mm		<b>16616</b>
		Filter card 100 pcs.	Ø12,5mm		<b>16617</b>	
Rotor		Accessories information				
 Ref. 1465-2451C	2 x 3 microtiter	Accessories	Ø x Long	Tubes	Ref.	
	Swing out Max. 3000 R.p.m. Max. 1036 xg		Hangers microtiter			<b>3307</b>
Rotor		Accessories information				
 Ref. 1465-2285C	2 x 3 microtiter	Accessories	Ø x Long	Tubes	Ref.	
	Swing out Max. 4300 R.p.m. Max. 2575 xg		Hangers microtiter			<b>3286</b>
Rotor		Accessories information				
 Ref. 1465-2300	24 capilares.	Accessories	Ø x Long	Tubes	Ref.	
	Ø1,4x75mm		Ø1,4x75mm	24		
	Horizontal Max. 13000 R.p.m. Max. 16816 xg Hermetically sealed lid		Flat hematocrite reader included			<b>6135</b>
			Round hematocrite reader			<b>6166</b>