



台式高速冷冻离心机 Refrigerated Centrifuge

应用：细菌、病毒、核酸、蛋白质和细胞、细胞膜、亚细胞成份分离

3-30KS

台式高速冷冻离心机 SIGMA 3-30KS

No. 10375 (220 - 240 V, 50 Hz)

- 台式高速冷冻离心机，最高转速达30.000rpm，最大相对离心力高达70,121xg
- Spincontrol S 控制面板
- 可用于细菌、病毒、核酸、蛋白质和细胞、细胞膜、亚细胞成分的分。
- 免维护、无碳刷变频电机
- 值得信赖的电机驱动系统
- 微控制器控制时间、温度、转速和相对离心力具有中文操作语言
- 启动、停止、开盖键采用背光灯按键
- 机盖上具有观察窗、便于测速、控制
- 有效的制冷系统、温度控制范围-20~+40°C在静止状态下也可对转头预冷、无氟环保制冷剂R404a
- 气动弹簧、轻松开盖
- 双重自动盖锁
- 磁性转头自动识别、防止转头运转过速
- 不锈钢腔体 不平衡保护
- 紧急开盖
- 符合国际安全标准ENG1010-2-020

- High speed refrigerated bench top centrifuge for max.speed 30.000 rpm gravitational fields up to more than 70.121 x g
- Spincontrol S
- Only 57 cm wide
- Brushless drive practically maintenance free
- Reliable drive system
- A microcontroller controls time, temperature, speed or g-force
- Illuminated symbol keys start, stop, lid open
- Window in the centrifuge lid for external speed control
- Very low noise level
- Possibility of precooling rotors during standstill, refrigerant R404a, (CFC-free)
- Lid can easily be opened due pneumatic spring support
- Two motorized lid locks
- Magnetic rotor identification prevents the rotor from overspeeding
- Stainless steel bowl
- Imbalance switch
- Needless to open the casing for emergency lid lock release
- Produced according to national and international safety regulations (e.g. EN 61010-2-020)

SIGMA 3-30KHS

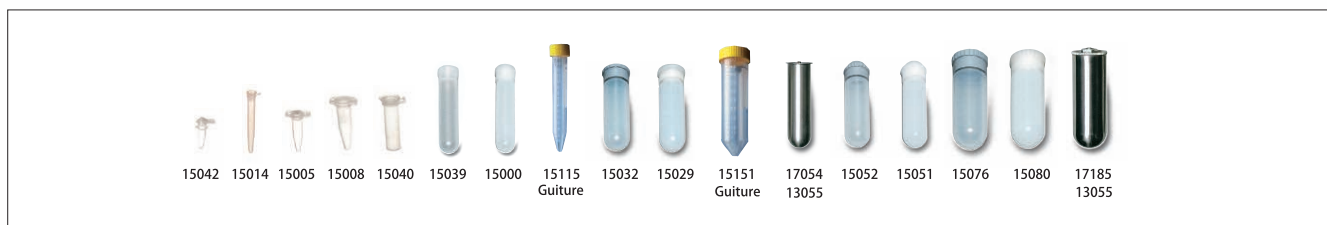
No. 10379 (230 V, 50 Hz)

- Sigma 3-30KS 的加热型号
- 温度控制范围 + 40 ~ + 60°C、取决于转子和速度
- 其他技术参数与sigma3-30KS相同

- Heated version of 3-30KS
- Max. rotor temperature + 40°C up to + 60°C, depending on rotor and speed
- All other technical data like 3-30KS

13060





转子/Rotor No.	容量/Capacity	离心管/Tube No.	3-30KS		Adapter		
			max. rpm	max. RCF[xg]	No.	适配器 Adapter	离心管 Tube No.
12115	12 x 8 x 0.2 ml PCR	15042	16,400	29,468			
12110	12 x 1.5 ~ 2.0ml	15008,15040	30,000	65,403			
12154	24 x 1.5 ~ 2.0ml	15008,15040	26,000	61,973	13021	0.25ml	15042
12131	30 x 1.5 ~ 2.0ml	15008,15040	20,000	44,720	13000	0.4ml	15014
12370	36 x 1.5 ~ 2.0ml	15008,15040	28,000	70,121	13002	0.5ml/0.75ml PCR	15005
12349	48 x 1.5 ~ 2.0ml	15008,15040	15,000	25,155	13003	1.5ml>20.000xg	15008
12182	12 x 5ml	EP管	20,000	37,565			
12111	10 x 10ml	15000,15039	26,000	57,438			
12157	20 x 10ml	15000,15039	16,000	28,048			
12171	12 x 15ml Culture	15115	13,500	20,172			
12158	6 x 30ml	15032,15029	26,200	60,628	13059	10ml	15000,15039
19776	6 x 50ml Culture	15151	14,000	20,379	13060	15ml Culture	15115
					13079	50ml	15051,15052
12150	6 x 50ml	13055,15051, 15052	21,000	41,415	16018	15ml Glass	15085
12156	8 x 50ml	13055,15051, 15052	16,500	29,220	16030	30ml Glass	15086
12155	4 x 100ml	13085,15076 15080	20,000	40,695	13084	10ml	15000,15039
					16019	15ml Glass	15085
					13081	15ml Culture	15115
12159	6 x 100ml	13085,15076 15080	15,500	26,323	13083	30ml	15029,15032
					16031	30ml Glass	15086
					13080	50ml Culture	15151
					13082	50ml	15051,15052

All rotors with hermetic aluminium lid
所有转子均配有密封铝合金盖

水平转子/Swing-out rotor No. 11390

3-30KS

转子/Rotor No.		max. rpm	max. RCF[xg]
11390+2x13009		5,000	3,158
吊篮/bucket No.		离心管/tube No.	
13009	5 x 5ml, Hemolys	15060	

3-30KS

转子/Rotor No.		max. rpm	max. RCF[xg]
11390+2x13012		5,000	3,745
吊篮/bucket No.		离心管/tube No.	
13012	4 x 15ml, Monovett	15020	
适配器/Adapter No.		离心管/tube No.	
13070	1 x 5ml, 真空采血管/ Vacutainer		
13071	1 x 5ml, Hemolyse		
13072	1 x 4~7ml,	15007	

3-30KS

转子/Rotor No.		max. rpm	max. RCF[xg]
11390+2 x 13042		5,000	3,717
Bucket No.		Tube No.	
13042	6 x 15ml, Monovett	15020	
适配器/Adapter No.		离心管/tube No.	
13070	1 x 5ml, 真空采血管/ Vacutainer		
13071	1 x 5ml, Hemolyse		
13070	1 x 4~7ml,	15007	

3-30KS

转子/Rotor No.		max. rpm	max. RCF[xg]
11390+2 x 13152		5,000	3,997
吊篮/bucket No.		离心管/tube No.	
13152	2 x 15ml, Culture	15115	

3-30KS

转子/Rotor No.		max. rpm	max. RCF[xg]
11390+2 x 13150		5,000	4,025
incl.包含盖子 cap No. 17151			
吊篮/bucket No.		离心管/tube No.	
13150	1 x 50ml, Culture	15151	
适配器/Adapter No.		离心管/tube No.	
13060	1 x 15ml, Culture	15115	

3-30KS

转子/Rotor No.		max. rpm	max. RCF[xg]
11390+2 x 13097		5,000	3,773
吊篮/bucket No.		离心管/tube No.	
13097	1 x 100~120ml,	15100	



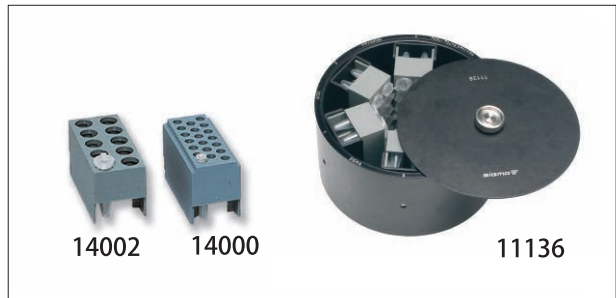
3-30KS

转子/Rotor No.		max. rpm	max. RCF[xg]
11390+2 x 13041		5,000	3,913
用于13041吊篮的适配器, 可配密封盖17130 Adapter for bucket 13041, sealable with cap 17130			
No.	适配器/Adapter	离心管/tube	
14028	4 x 1.5ml/2.2 ml	15008,15040	
14029	5 x 5~7ml, Hemolyse	15007	
14033	4 x 5~7ml, Vacutaine	15060	
14030	4 x 10~15ml, Hemolyse	15000	
14034	3 x 15ml, Monovette	15015	
14035	1 x 30ml, Sterilin		
14031	1x 25~30ml,	15025	
14032	1x 50ml,	15050	

水平转子/Swing-out rotor 4 x 100ml No. 11391 (11390+2 x 13097+4 x 15100)

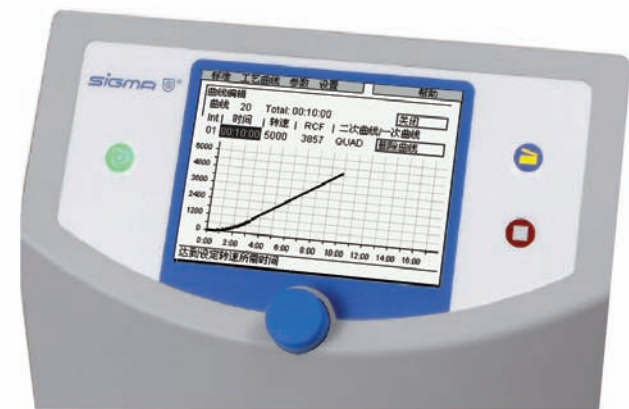
水平转子/Swing-out rotor 16 x 15ml No. 11392 (11390+2 x 13012+16 x 15020)

/MTP swing-out rotor			
	3-30KS		
转子/Rotor	max.	max.	
No.	rpm	RCF[xg]	
11222	3,000	1,238	
max. H. = 56mm			
0.2~2.0ml / drumrotor			
	3-30KS		
转子/Rotor	max.	max.	
No.	rpm	RCF[xg]	
11136	16,000	20,035	
容量/ capacity: 三套适配器 3 x Adapterset			
No.	适配器/Adapter	离心管/tube	
14021	8 x 4 x 0.2ml PCR, strips	(15042)	
14020	10 x 0.2/0.5ml PCR	(15005)	
14000	20 x 0.25/0.4ml Reaction vials	(15014)	
14002	10 x 1.5/2.0ml Reaction vials	(15008, 15040)	



离心机生产校准证, 用于单个转子 Created during prouction. Centrifuge with one rotor	
	Sigma 3-30KS
速度和时间校准证 Calibration certificate for speed and time	No. 17714
速度和时间校准证 Calibration certificate for temperature speed and time	No. 17715
安装操作确认 IQOQ	No. 17711
增加一个转子的IQ/QQ For a further rotor	No. 17712

控制面板 Spincontrol S



显示屏	Display	TFT
纯文本人机对话窗口	Plain text pop up windows	+
显示界面设定和实际值显示	Permanent display preselected, current values	+
显示尺寸	Display shows dimensions	+
语言	Languages	
时间控制	Timer	10 sec - 99 h 59 min
定速计时	Timing after set speed has been reached, switchable	+; +
时间步增[秒]	Time increments [sec]	60; 1
短时运行	Short run	+
连续运行	Continous run	+
速度步增[r/min]	Speed increments [rpm]	10; 1
显示速度和相对离心力	Display speed and g-force	+
离心力步增[xg]	G-force increments [xg]	10; 1
温度步增[°C]	Temperature increments [°C]	1
单位转换°C °F	Switchable °C, °F	+
静止预冻	Standstill cooling, switchable	+; +
静止加热 ¹	Standstill heating, switchable ¹	+; +
快速预冷程序	Rapid cooling program: Rapid_temp	+
过温保护, 过温容忍度可调	Start refused with exceeded temperature tolerance, tolerance preselectable	+; +
程序	Programs	60
程序命名	User defined program name	+
程度列表显示所有参数	Program list shows all parameters	+
线性加速曲线	Linear acceleration curves	10
二次方加速曲线	Quadratic acceleration curves	10
用户自定义加速曲线	User defined acceleration curves	10
线性减速曲线	Linear deceleration curves	10
二次方减速曲线	Quadratic deceleration curves	10
用户自定义减速曲线	User defined deceleration curves	10
无阻尼制动	Brakeless	+
减速曲线组合 无阻尼从1000至150rpm可选	Combination deceleration a. brakeless from 1000 - 150 rpm selectable	+
自动开盖, 可选	Auto lid open,switchable	+; +
声音报警	Accoustic signal, switchable	+; +
声音长度预选	Signal length preselectable	+
静态背光显示	Optical display stillstand	+
转数统计, 每个转子	Counting cycles centrifuge, each rotor	+; +
转子寿命对话框	Pop up window end of rotor life time	+
运行结束自动开盖	Automatic lid opening at the end of the run, switchable	+; +
提供所有转子参数 速度、离心力、半径	All rotors pre programmed speed, g-force, radius	+
最大半径调节	Max. radius decreaseable	+
密度>1.2g/cm ³ 最大转速计算	Calculation for liquid density >1.2 g/cm ³	+
延迟启动	Start delay	+
控制面板锁定	Controlunit lockable	+
密码保护	Code protection	+
运行监控	Run monitoring	+
微电脑控制	Microprocessor controlled	+

¹ 仅3-30KS/only for 3-30KS



17923 Trolley 离心机柜, 双开门, 带可锁定的小脚轮
(w x d x h) (570 x 616 x 481 mm)
宽x长x高: 570x616x481(mm)

技术参数	Technical data	3-30KS
功率[W]	Power consumption [W]	1260
最大容量[ml]	Max. capacity [ml]	6 x 100
最大转速[rpm]	Max. speed [rpm]	30,000
最大相对离心力[xg]	Max.RCF[xg]	70,121
干扰抑制标准	Interference suppression	EN 61326
尺寸: 高x宽x长 [mm]	Height x Width x Depth [mm]	464 x 570 x 643
重量 (无转子) [kg]	Weight without rotor	100
最大动能 [Nm]	Kinetic Energy max	43,753
最高转速噪音水平 [dB (A)]	Noise level at max.speed(approx)	
No.11390转子	Rotot 11390 at 5,000r/min	< 59 dB (A)
No.12158转子	Rotot 12158 at 26,200r/min	< 63 dB (A)
最快加速时间 [秒]: No.12110转子	Max.Acceleration Rotor12110	37
No.12158转子	Rotor12158	54
最快加速时间 [秒]: No.12110转子	Max.Deceleration Rotor12110	57
No.12158转子	Rotor12158	57
温度设定范围 [°C]	Temperature setting range	-20°C ~ +40°C
转子11390 5,000r/min(转子最低温度*) [°C]	Rotor 11390 5,000rpm(Min.Rotor temperature*)	< 0
转子12158 22,000r/min(转子最低温度*) [°C]	Rotor 12158 22,000rpm(Min.Rotor temperature*)	< 4

环境温度23°C

* at 23 °C ambient temperature

德国原装进口
MADE IN GERMANY



德国Sigma公司中国指定售后服务公司

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