

Bench-Top Ultra Centrifuge

Manufacturer: Thermo

Model: Sorvall Legend X1R

Descriptions:

The Sorvall Legend X1R is an in-vitro diagnostics device, which can be used with a several rotors with a wide range of tubes. This centrifuge is a laboratory product designed to separate components by generation of Relative Centrifugal Force. It separates human samples (e.g. blood, urine and other body fluids) collected in appropriate containers, either alone or after addition of reagents or other additives. As general-purpose centrifuge, it is designed to also run other containers filled with chemicals, environmental samples and other non-human body samples. The user-friendly control panel makes it easy to pre-set the speed, RCF value, running time, temperature, and running profile (acceleration and braking curves). You can choose between the display of speed and RCF or the entry mode.

Technical Specifications:

Feature	Value			
Environmental conditions	-Use in interior spaces -Altitudes of up to 2,000 m above sea level -max. relative humidity 80% up to 31 °C; decreasing linearly up to 50% relative humidity at 40 °C.			
permissible ambient temperature	+2 °C to +35°C		+2 °C to +35°C	
Overvoltage category	II		II	
Pollution degree	2		2	
Heat dissipation	refrigerated			
	230V	120V	230V	120V
	4778 BTU/h	4096 BTU/h	3447 BTU/h	3901 BTU/h
IP	20		20	
running time	unlimited		unlimited	
max Speed n_{max}	15200 rpm (depending on the rotor)		15200 rpm (depending on the rotor)	
min Speed n_{min}	300 rpm		300 rpm	
maximum RCF value at n_{max}	25830 xg		25830 xg	
maximum kinetic energy	62.5 kJ		51.7 kJ	
noise level at maximum speed	< 63 dB (A)		< 63 dB (A)	
temperature setting range	-10 °C to +40 °C			
Dimensions	refrigerated		ventilated	
	Height	360 mm	360 mm	360 mm
	Height with lid open	870 mm	870 mm	870 mm
	Width	623 mm	440 mm	440 mm
	Depth	605 mm	605 mm	605 mm
	Table top height	310 mm	310 mm	310 mm
weight without rotor	91.5 kg		57.5 kg	

