

Performance and flexibility for purification applications

SureSpin 632 Top-loading Swing-out Ultracentrifuge Rotor



SureSpin 632 Rotors with 17 mL buckets (left) and 38.5 mL buckets (right).

Thermo Scientific™ SureSpin™ 632 Swing-out Ultracentrifuge Rotors combine performance up to 32,000 rpm and 191,759 xg with top loading design for ease-of-use and the versatility of 38.5 mL or 17 mL bucket capacity. Available for Thermo Scientific™ Sorvall™ WX+ Ultracentrifuges.

Applications

Rate zonal density gradient or pelleting separations, for purification of

- Exosomes
- Vesicles
- Viral particles
- Synaptosomes
- Mitochondria
- Carbon nanotube and other nanoparticles

Features

- Higher performance, higher volume, and increased cycle life compared to previous generation Thermo Scientific SureSpin 630 Rotors
- Top loading design for gentle treatment of delicate gradients provides ease-of-use, while mitigating mishaps from a mishooked bucket
- Flexibility of additional bucket set options (38.5 mL or 17 mL) to provide double the versatility with one rotor
- Utilizes the same tubes and adapters as the Thermo Scientific AH-629 and SureSpin 630 Rotors for seamless transition to the enhanced SureSpin 632 Rotors
- Fully integrated for use with Sorvall WX+ Ultracentrifuges

Product specifications

	SureSpin 632 Rotors (38.5 mL)	SureSpin 632 Rotors (17 mL)
Rotor type	Swinging bucket	Swinging bucket
Rotor and bucket material	Titanium	Titanium
Rotor surface color	Polished titanium	Polished titanium
Capacity	6 x 38.5 mL	6 x 17 mL
Maximum speed	32,000 rpm	32,000 rpm
Maximum RCF	187,295 xg	191,759 xg
K-Factor	194	221
Maximum radius	163.6 mm	167.5 mm
Minimum radius	74.6 mm	68.5 mm
Total nominal volume	231 mL	102 mL
Tube dimensions	25 x 89.0 mm	16 x 102.0 mm
Max sample density	1.2 g/mL	1.2 g/mL
Rotor cycle life at maximum speed (32,000 rpm)	1,200	1,200
Warranty	5 years / *	5 years / *
Autoclavable	121 °C for 20 minutes	121 °C for 20 minutes

*Subject to 1200 cycle-life limitation

Ordering information

Description	Cat. No.
Thermo Scientific SureSpin 632 Rotor (17 mL), including buckets, rack, rotor stand, thread lubricant, o-rings, o-ring grease, extra speed disk (32,000 rpm), rotor log book and instruction manual	75003031
Thermo Scientific SureSpin 632 Rotor (38.5 mL), including buckets, rack, rotor stand, thread lubricant, o-rings, o-ring grease, extra speed disk (32,000 rpm), rotor log book and instruction manual	75003032
17 mL Buckets (set of 6), including rack, thread lubricant, o-rings, o-ring grease	75003036
38.5 mL Buckets (set of 6), including rack, thread lubricant, o-rings, o-ring grease	75003037



Optional 38.5 mL Bucket Set



Optional 17 mL Bucket Set

Find out more at thermofisher.com/centrifuge

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