

BioZone has a barely used ultracentrifuge for sale.

The model is a Thermo Scientific Sorvall WX80 Ultracentrifuge with T647.5 Rotor.



Thermo Scientific Sorvall WX80 Ultracentrifuge and T647.5 Rotor.
Centrifuge and rotor in excellent condition.

Thermo Scientific Sorvall WX80 Ultracentrifuge

The **Sorvall WX80** ultracentrifuge is a next-generation instrument designed to change your expectation of ultracentrifuges. Combining outstanding speed with exceptional safety and ergonomics, the **Sorvall WX80 Ultracentrifuge** provides a new level of convenience and ease-of-use.

This fast 80,000 rpm, highly productive ultracentrifuge is also available in 80,000, 100,000 models (see **Sorvall WX90** and **Sorvall WX100**) offering RCF of up to 802,000 g. The **Sorvall WX80 ultracentrifuge series** delivers the processing power to meet your high-throughput processing needs. Samples will experience optimal RCFs in the shortest possible time. This saves you time and valuable research hours.

The **Sorvall WX series ultracentrifuges** are small, quiet and energy-efficient. They have a compact footprint and produce a low noise level (Sorvall WX Ultracentrifuge Series sets the standard for operator comfort and space efficiency. The energy-saving design reduces power consumption by up to 15% compared with other ultracentrifuges.

The **Sorvall WX series ultracentrifuge** range have application flexibility and a versatile rotor portfolio:

- Thermo Scientific Fiberlite carbon fiber rotors for proteomics, nucleic acid preparation, viral

work and cell clarification

- High performance swinging buckets, fixed angle, vertical and zonal rotors
- Continuous-flow rotor for biotechnology and pharmaceutical scale-up processes

The Sorvall WX series ultracentrifuge is ideally suited for the following research applications:

- **Cellular Biology:** Cell Lysate Clarification, Subcellular Organelle/Plasma Membrane Isolations.
- **Genomics/Molecular Biology:** Genomic DNA/Plasmid DNA/RNA Isolation/Purification, Plasmid DNA/RNA Gradient (CsCl) Preps
- **Proteomics:** Protein Purification, Lipoprotein Processing/Chylomicron Removal
- **Microbiology:** Bacteria, Yeast/Virus Pelleting, Virus Gradient Isolation/Separation
- **Biochemistry:** Structure and Function of Cellular Components Studies
- **Pharmaceutical Studies/ Quality Assurance:** Drug Discovery Metabolism Studies
- **Nanotechnology:** Nanoparticle Separations **Food Processing:** Quality Assurance

Thermo Scientific Sorvall WX80 Ultracentrifuge Specifications

Maximum Speed	80,000 rpm
Maximum RCF	602,000 g
Maximum Capacity	6x 250 mL
Drive	Imbalance tolerant direct drive: Eye balance within 5 mm
Accel/ decel Profile	10/100
Speed Range	1,000 rpm to maximum speed in 100 rpm increments
Speed Control Accuracy	± 10 rpm
Temperature Set Range	0 to +40°C
Temperature Accuracy	±0.5°C
Ambient Temperature Range	10 to +40°C
Temperature Control System	Solid-state thermo electric refrigeration (CFC-free)
Vacuum System	Oil rotary vacuum pump with moisture removal function and oil diffusion pump; vacuum of 0.13 Pa
Dimensions	1000 x 790 x 690 mm (39.4 x 31.1 x 27.2 in) 850 mm (33.4 in) height to top of deck
Weight	400 kg (881.8 lb)
Control Programmability	Microprocessor 20 Programs; Step-Run
Heat Output	
Operational Noise	53 dBA, measured 1 m in front of instrument
Functions	Automatic RCF; dt2 Integrator Real Time Controlled Access; Rotor Life Management
Electrical	208/220/230/240 V (50/60 Hz), 16/20 A, single phase
Certifications	CE and cCSAus certified

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