

Revolving around performance

Thermo Scientific™ X Series Centrifuges

Choose between 4 L floor or bench models

Features and benefits

- Intuitive user interface**
- Wide range of rotors for application flexibility**
- Thermo Scientific™ Auto-Lock™ Rotor Exchange**
- Thermo Scientific™ GreenCool™ Technology (refrigerated models)**
- Improved ergonomics and user experience**
- Optional: Connectivity, sample tracking software**
- Thermo Scientific™ ClickSeal™ Biocontainment Lids**
- IVD, general purpose or Cell Therapy Systems (CTS™) Series models**

Full color touchscreen technology

Home screen

- Easy menu access:** no more scrolling
- Centrifuge health:** preventative maintenance alerts for less downtime
- Precool function:** centrifuge can be "at temp" before run
- Help menu:** virtual manual provides quick solutions
- Pulse button:** customizable one-touch quick spins

Auto-Lock Rotor Exchange

- Quick switch between applications
- Safely swap rotors in as few as 3 seconds
- Soft unlock feature
- No tools required

Improved ergonomics and user experience

- Ergonomic working height with motorized gas springs for easy lid access and closure
- Thermo Scientific™ SmartSpin™ Imbalance Detection
- Thermo Scientific™ Accumulated Centrifugal Effect (ACE™) Function

ClickSeal Biocontainment Lids

- Glove friendly
- Biocontainment certification*
- One-handed closure
- Designed for right- or left-handed operation

*Biocontainment certification by Public Health England, Porton Down, UK or TÜV NORD CERT GmbH, Germany.

Rotor versatility and carbon fiber technology

- Up to **18** rotor options
- Up to **7** Fiberlite options
- Thermo Scientific™ Fiberlite™ Carbon Fiber Rotors**
 - Lightweight carbon fiber
 - Outstanding durability
 - Corrosion- and fatigue-resistant
 - Backed by a 15-year limited warranty

GreenCool technology for refrigerated models

Global Warming Potential From 1,430 to 3

Greener by design™

- Less hazardous: GreenCool technology with R290 natural refrigerant (Global Warming Potential of 3)¹
- Up to 6% lower energy consumption¹
- Extended life: End-of-life recycling program in United States¹
- Made in a certified zero-waste facility¹

Connectivity

Thermo Scientific™ SECURE-Spin™ Mode (optional)

- Supports 21 CFR Part 11 compliance for data management and traceability
- Assign user rights and create up to 120 profiles
- Traceable documentation
- Compatible with Thermo Scientific™ Centri-Log™ Plus Data Management Software

Certifications and special models

General use, IVD and cleanroom compatibility

- Choose between general use or IVD (clinical) models. Our clinical models are in compliance with the EU IVDR (EU) 2017/746 and are listed by the FDA.
- Available with the following certifications: UL, CE, RoHS, CSA.
- Standards: IEC 61010-1, IEC 61010-2-020, IEC 61010-2-101, IEC 61010-2-011, EN 61326-1, EN ISO 13485.
- Cleanroom compatibility of 4L bench models: Class ISO 6 according to DIN EN ISO 14644-1.

Thermo Scientific™ X Centrifuge CTS™ Series

- 4L models available with extensive documentation package.
- Compliance services support Good Manufacturing Practice needs.