



Thermo Scientific  
Sorvall RC BIOS Centrifuge Systems



# High performance batch bioprocessing

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# Thermo Scientific Sorvall RC BIOS Centrifuge Systems

**Outstanding bioprocessing is within your reach – now up to 10 liters/run**

Thermo Scientific™ Sorvall™ RC BIOS 10 and RC BIOS 6 centrifuges are dedicated to high-speed, high-volume batch bioprocessing applications. These ready-to-run innovative systems integrate high-capacity centrifuges, carbon fiber rotors and accessories.



## Supports a broad array of bioprocessing applications:

- Bacterial and mammalian cell pelleting
- Pelleting of cell cultures from fermentation tanks
- Particulate materials and debris
- Large microbial cultures
- Biologics and vaccine production
- Clarifying broths
- Harvesting cell and tissue cultures

# Dedicated Systems for High-Throughput, High-Speed Batch Bioprocessing

Maximize your productivity and protect the integrity of your work.

## Accelerate bioprocessing

High-capacity and fast processing speed reduce cycle times. Choose between:

### Sorvall RC BIOS 10 Centrifuge System

- **10-liter capacity** with the Thermo Scientific™ Fiberlite™ F5-10x1000 LEX rotor
- **Outstanding throughput.** Spin up to 10 x 1 liter bottles in a single spin

### Sorvall RC BIOS 6 Centrifuge System

- **6-liter capacity** with the Thermo Scientific Fiberlite F8-6x1000y rotor
- **High performance.** Spin up to 8,500 rpm and 15,860 x g in as little as 9 minutes



## Complete your system with:

- 1-liter Thermo Scientific™ Nalgene™ centrifuge bottles - an initial set provided with each centrifuge purchase!<sup>1</sup>
- Adapters for tubes from 3 mL to 1-liter, including Oak Ridge and conical tubes



## Enhance productivity with Fiberlite carbon fiber rotors

- Unequaled structural integrity:
  - Fatigue resistance eliminates the need to derate or limit the speed over the rotor lifespan
  - Corrosion-resistant design protects against ever-present hazard due to moisture, chemicals, alkaline solutions or other salts in the laboratory
- Load tubes directly into the rotor, eliminating multi-canister assemblies, which can be misplaced or damaged
- In contrast to metal rotors, Fiberlite carbon fiber rotors are repairable if damaged
- Secure investment, backed by a 15-year warranty<sup>2</sup>

## Promote sample safety and integrity

- Simplify processing with user-friendly controls
- Reduce variability in operating parameters with Thermo Scientific™ Accumulated Centrifugal Effect (ACE™) function
- Robust refrigeration system designed to protect sample quality
- Thermo Scientific™ Centri-Log™ data collection software provides total process traceability
- New and enhanced security features help minimize risks of errors and system failures

## Improve processing development cost

- Workflow efficiencies reduce labor and time
- Power saving design reduces energy costs
- Dependable design lowers equipment maintenance costs

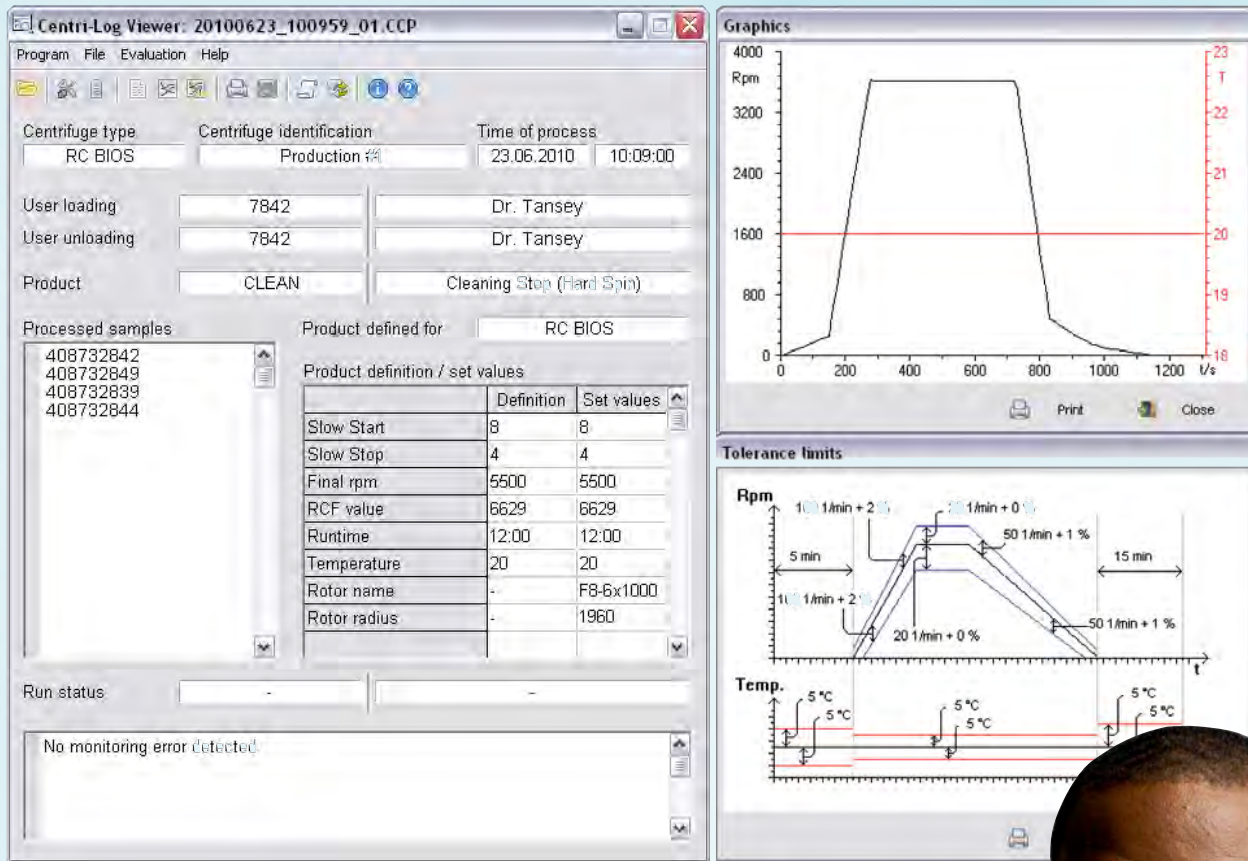
<sup>1</sup> Catalog number 3141-1006 or 3140-1006. Visit [thermoscientific.com](http://thermoscientific.com) for detailed product specifications.

<sup>2</sup> Subject to Thermo Fisher Scientific's standard limited warranty. See [thermoscientific.com](http://thermoscientific.com) or your sales representative for details.

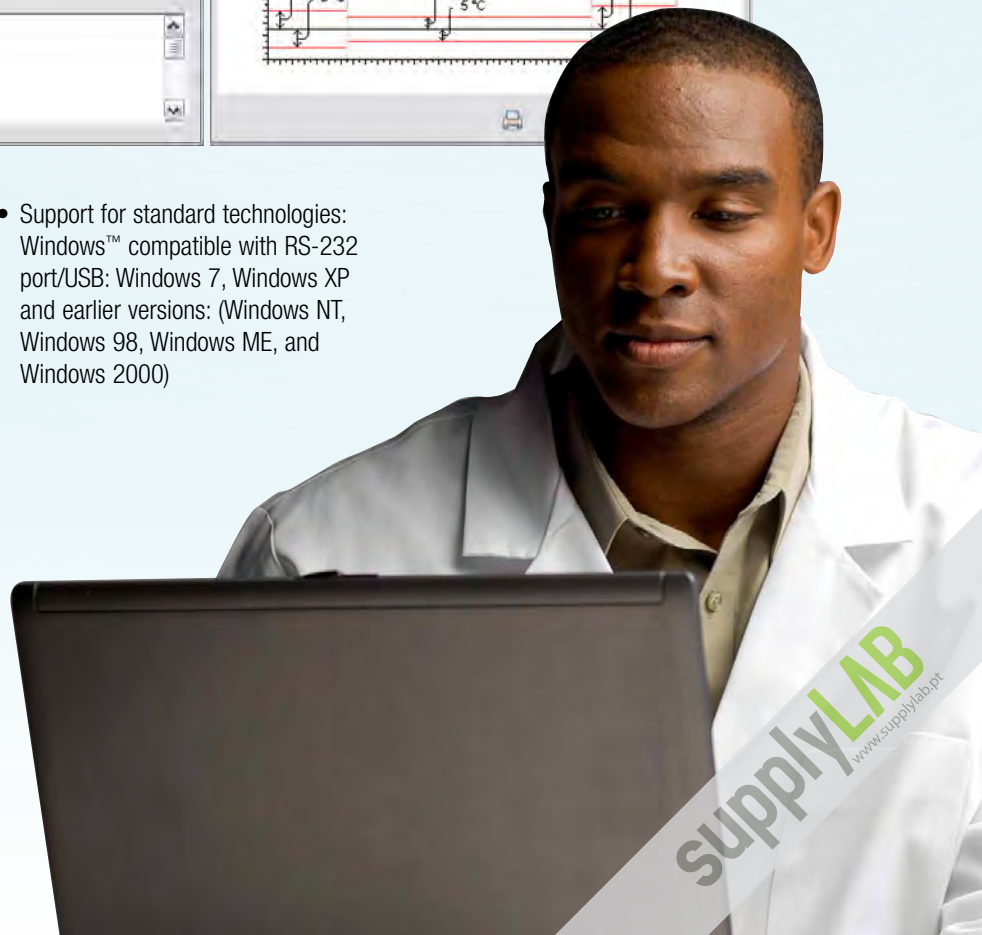
# Thermo Scientific Centri-Log Data Collection Software

A paperless process tracking and compliance solution for large capacity centrifuge systems.

Innovative Centri-Log data collection software provides effective quality control for the documentation (logging and monitoring) of centrifugation processes, enabling lifecycle management of processed samples, equipment optimization and compliance with standard operating procedures.



- Quick, easy, secure and accurate data collection and document management
- Continual monitoring of speed, time, and temperature with alarm messages in case of deviation from protocol
- Trusted sample security and integrity
- Ability to check run parameters against procedures in PC database
- Connect to central database through customized export file
- No manual recording errors
- Reduced risk of equipment downtime and quality failures
- Customizable to fit the needs of your facility
- Support for standard technologies:  
Windows™ compatible with RS-232 port/USB: Windows 7, Windows XP and earlier versions: (Windows NT, Windows 98, Windows ME, and Windows 2000)





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**FIBERLITE**  
**F5-10x1000 LEX**

5,500 rpm 9,333 x g  
MADE IN U.S.A

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[www.supplylab.pt](http://www.supplylab.pt)

# Specifications and Ordering Information

## Thermo Scientific Sorvall RC BIOS Centrifuge Systems

Centrifuge Specifications	Sorvall RC BIOS 10	Sorvall RC BIOS 6
Maximum Capacity	10 x 1000 mL	6 x 1000 mL
Maximum Speed	5,500 rpm	8,500 rpm
Maximum RCF	9,333 x g	15,860 x g
Drive	High-performance induction	
Imbalance Detector	50 gram tolerance	
Accel/Decel Profiles	11	
Run Time	1 minute - 99 min. 59 sec., continuous operation	
Temperature Control Range	-10 to +40 °C	
Dimensions (H x W x D)	1178 x 800 x 905 mm (46.3 x 31.5 x 35.6 in)	
Weight	470 kg (1,036 lbs)	
Control	Microprocessor	
Programmability	15 programs	
Functions	Traceability software; ACE; step-mode runs; slow start/stop	
Safety Features	Automatic lid lock, imbalance detection, steel armored guard ring, security key switch	
Certifications	cULus approved and CE marked	

### Ordering Information

Package <sup>1</sup> Description	Sorvall RC BIOS 10	Sorvall RC BIOS 6
RC BIOS centrifuge package, mono-phase 208-220V 60Hz	75007051	75007044
RC BIOS centrifuge package, mono-phase 230V 60Hz	75007052	75007045
RC BIOS centrifuge package, mono-phase 220-230V 50Hz	75007053	75007046
RC BIOS centrifuge package, 400V 3-Phase 400V 50Hz	75007054	75007047
RC BIOS upgrade kit <sup>2</sup> (RC BIOS 6 to RC BIOS 10), includes software update and cone adapter	n/a	70900171

### Sorvall RC BIOS Add-Ons

Accessories	Capacity	Cat. No.
Fiberlite F8-6x1000y Rotor	6 x 1000 mL	096-061137
Fiberlite F5-10x1000 LEX Rotor	10 x 1000 mL	096-101000
Polypropylene (PP) 1-liter Nalgene Bottles (6 per package)	–	3141-1006
Polycarbonate (PC) 1-liter Nalgene Bottles (6 per package)	–	3140-1006
Adapters <sup>3</sup>	Tube Volume	Cat. No.
Nalgene Oak Ridge Tubes	500 mL	010-0145
Nalgene Oak Ridge Tubes	250 mL	010-0150
Conical Tubes	50 mL	010-0180
Nalgene Oak Ridge Tubes	50 mL	010-1091

### Centri-Log Data Collection Software

Windows compatible with RS-232 port/USB: Windows 7, Windows XP and earlier versions: (Windows NT, Windows 98, Windows ME, and Windows 2000)  
Computer not included with software. Customer to provide PC.

Description	Cat. No.
Basic kit for PC w/USB (required for system setup)	75007535
Networking kit, includes bar code reader (kit required for each centrifuge networked)	75007802
Installation kit for first centrifuge (includes power supply)	75007516
Installation kit for each additional centrifuge	75007517

<sup>1</sup> Packages include Fiberlite rotor and initial set of 1-liter Nalgene bottles (catalog number 3140-1006 or 3141-1006). Visit [www.thermoscientific.com](http://www.thermoscientific.com) for detailed bottle specifications.

<sup>2</sup> For installation, please contact your Thermo Fisher Service representative.

<sup>3</sup> For a full list of adapters, contact your sales representative.

[thermoscientific.com/centrifuge](http://thermoscientific.com/centrifuge)

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