Thermo Físher SCIENTIFIC

Unleash the power of green

Thermo Scientific[™] Centrifuges with GreenCool Technology



Less hazardous - GreenCool Technology leverages CO₂ as refrigerant with a Global Warming Potential of 1* and 0 Ozone Depleting Potential.

More energy efficient - Save up to 15%** of energy compared to previous models.

Greener by design

Global Warming Potential From 1,397 to 1

Thermo Scientific[™] Cryofuge[™], BIOS and LYNX Centrifuges are manufactured in a certified zero-waste facility*** using 100% renewable energy in Osterode am Harz, Germany.

LID YOU KNOW?

Measured by their Global Warming Potential, F-gases can be up to

The Earth's average temperature has risen by about

Global sea levels have risen about

ermo Fishe Scientific

Standard Valpak 202



24,300 times more potent than CO,1

1.3°C compared to pre-industrial era (1850-1900)²

10 cm in the past 30 years³

Cryofuge Blood Banking Centrifuges

Thermo Scientific[™] Cryofuge[™] Centrifuges with GreenCool Technology provide powerful productivity, convenience and enhanced sustainability for blood processing facilities.



Large capacity and productivity—Up to 16 x 550 mL blood bags, neutralization of 125 g loading imbalance, application flexibility



Quick programming and run setup—Intuitive touchscreen, instant rotor recognition and automatic adjustment of parameters to the rotor's standard settings

Excellent ergonomics—Lid storage, ergonomic working height, castors, adjustable feet, automatic door opening

Reproducible and trackable results—Onboard run logging of user and run conditions, remote monitoring app, optional software

Compliant—EU 2017/745 Medical Device Regulation

MORE SUSTAINABLE AND CONVENIENT



Global Warming Potential 1* 14% less energy consumption** 60 kg lighter weight 50% quieter operation****



BIOS Bioprocessing Centrifuges

Thermo Scientific[™] BIOS A and 16 Centrifuges with GreenCool Technology provide high throughput, reliability and enhanced sustainability for bioprocessing facilities.



Designed for bioprocessing needs—Choose between 10L capacity at higher speeds of BIOS A or larger capacity of up to 16L and application versatility of BIOS 16 centrifuge



Quick programming and run setup—Intuitive touchscreen, instant rotor recognition and automatic adjustment of parameters to the rotor's standard settings



Excellent ergonomics—Lid storage, ergonomic working height, castors, adjustable feet, automatic door opening



Reproducible and trackable results-Onboard run

logging of user and run conditions, remote monitoring app, optional software



Certified—Compliant with latest global standards; cleanroom compatibility ISO Class 6



Global Warming Potential 1* Up to 15% less energy consumption** 60 kg lighter weight 50% quieter operation****

LYNX Superspeed Centrifuges

Thermo Scientific[™] LYNX Superspeed Centrifuges with GreenCool Technology combine innovative features for reproducible results with enhanced sustainability for research laboratories and bioprocessing facilities.





Powerful performance—Up to 100,605 x g with fixed angle rotors, high-capacity swinging bucket rotor option with up to 10,025 x g

Application flexibility—Variety of supported labware and support for even continuous flow/ zonal applications

Quick programming and run setup—Intuitive touchscreen, instant rotor recognition, and tool-free rotor exchange with push-button security.



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Reproducible and trackable results—Onboard run logging, remote monitoring app, optional data management software for regulatory compliance.



Excellent ergonomics—Automatic door opening, lightweight carbon fiber rotors, rotor speed handles, centrifuge foot space for better placement and more

MORE SUSTAINABLE AND CONVENIENT

Global Warming Potential 1* 13% less energy consumption** 35 kg lighter weight 37% quieter operation****



References:

1) Greenhouse Gas Protocol, Retrieved March 10, 2025, from https://ghgprotocol.org/sites/default/files/2024-08/Global-Warming-Potential-Values%20%28August%202024%29.pdf

2) Copernicus Climate Change Service (C3S), Retrieved March 10, 2025, from https://climate.copernicus.eu/climate-indicators/temperature 3) Copernicus Climate Change Service (C3S), Retrieved March 10, 2025, from https://climate.copernicus.eu/climate-indicators/sea-level



* Due to natural refrigerant (CO_a)

** Energy use measured for a 1-hour run at maximum speed and compared to previous model. New Cryofuge model: 4600W vs Previous Sorvall BP/ Cryofuge: 5400W; New BIOS A model: 5400W vs Previous Sorvall BIOS A model: 6400W; New BIOS 16 model: 4600W vs. Previous Sorvall BIOS 16 model: 5400W. New LYNX model: 4200W vs Previous Sorvall LYNX model: 4800W

*** Zero waste defined as less than 10% of non-hazardous waste sent to landfill, incineration or waste-to-energy

****Measured at maximum speed compared to previous model.

Learn more at thermofisher.com/greenercentrifuges

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