

Centrifugation

Thermo Scientific Cryofuge 8 and 16 Blood Banking Centrifuges

Greener with every spin

Thermo Scientific™ Cryofuge™ 8 and 16 Blood Banking Centrifuges feature a next-generation natural refrigerant cooling system. Thermo Scientific™ GreenCool Technology operates with carbon dioxide (CO₂) as refrigerant, which has a Global Warming Potential (GWP) of 1, lower than other refrigerants, while not contributing to depletion of the ozone layer and is compliant with EU and US EPA F-gas regulations. Besides being less hazardous, the centrifuges are more energy efficient with 14% lower energy consumption compared to previous models. Additionally, they are manufactured in a certified zero-waste facility using 100% renewable energy in Osterode am Harz, Germany.

Cryofuge 8 Centrifuge

Regular- to medium-throughput—Up to 8 x 550 mL blood bags

Cryofuge 16 Centrifuge

High-throughput—Up to 16 x 550 mL blood bags

Thermo Scientific™ features



**GREEN
COOL
TECHNOLOGY**



**GLOBAL
WARMING
POTENTIAL***

1

**LOWER
ENERGY
CONSUMPTION****

-14%

**MADE IN A
CERTIFIED
ZERO-
WASTE
FACILITY*****

**LESS
WEIGHT**

-60 kg

**LOWER
NOISE
LEVEL******

-50%

* Due to natural refrigerant (CO₂)

** Energy use measured for a 1-hour run at maximum speed and compared to previous model. New: 4600W vs Previous: 5400W

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

**** 4 db(A) less compared to previous models, measured at maximum speed.

Specifications	Cryofuge 8 Centrifuge	Cryofuge 16 Centrifuge
Capacities	6 x 550 mL and 8 x 550 mL blood bags	12 x 550 mL and 16 x 550 mL blood bags
Maximum speed	5,000 rpm	4,700 rpm
Maximum RCF	7,295 x g	7,187 x g
Drive system	DuraFlex high torque brushless drive technology	
Imbalance tolerance	125 g in opposite loads	
ACE integrator	Yes	
Green technology	GreenCool technology; refrigeration off when door opens; Eco-Spin windshilded rotors	
Control	Centri-Touch touchscreen interface	
Accel/decel profiles and existing protocol emulation	10 acceleration, 10 deceleration profiles, up to 11/12 with emulation profiles	
Modes	At start, at speed, time start	
Step-runs	Yes, 30 profile/speed/time triplets, up to 3 steps each	
Maintenance tracking log	Yes	
Protocol traceability	Yes, built-in Centri-Track run logging	
Performance range	Speed 300–5,000 rpm; RCF 26–7,295 x g	Speed 300–4,700 rpm; RCF 29–7,187 x g
Run time	99 hours 59 min 59 sec (1-second increment)	
Precooling function	Yes	
Temperature set range	–20 to 40°C, adjustable to 1°C	
Other functions	Multilingual selection, on-board training videos, user logging, user lock-out, automatic door opening, automatic rotor ID, on-screen display for imbalance, over temperature, stainless steel chamber, guidance display for error messages	
Dimensions (H x W x D)	1,015 x 816 x 900 mm (39.9 x 32.1 x 35.4 in.)	
Product weight (excluding accessories)	230V: 415 kg / 914,9 lb 400V: 438 kg / 965,6 lb	230V: 415 kg / 914,9 lb 400V: 438 kg / 965,6 lb
Heat output	<1,5 kW	
Noise level	58dB (A)	
Power consumption	< 4450 VA	
Certifications	UL, CE, MDR, FDA listed	
Cleanroom compatibility	Class ISO 6 according to DIN EN ISO 14644-1	
Standards	EN 61010-1, IEC 61010-2-020, IEC 61010-2-101, EN 61326-1 Class B, EN 61326-2-6, EN 62304, EN 62366, EN ISO 14971, EN ISO 13485	
Warranty	2 years for unit, 5 years for powertrain (motor shaft and drive), 5 years for refrigeration	

Ordering information	Cat. No.
Centrifuges	
Cryofuge 8 centrifuge with GreenCool technology, 200, 208, 220, 230, 240 V ±10%, 50/60 Hz, Single phase	75008600
Cryofuge 8 centrifuge with GreenCool technology, 380, 400, 415 V ±10%, 50 Hz, 3-phase	75008603
Cryofuge 16 centrifuge with GreenCool technology, 200, 208, 220, 230, 240 V ±10%, 50/60 Hz, Single phase	75008610
Cryofuge 16 centrifuge with GreenCool technology, 380, 400, 415 V ±10%, 50 Hz, 3-phase	75008615
Additional options	
Cryofuge 16 Heavy Duty centrifuge with stainless steel side panels, 380, 400, 415 V ±10%, 50 Hz, 3-phase	75008618



Learn more at thermofisher.com/bloodbankcentrifuge

The products mentioned in this document are medical devices used for clinical purposes. It is the customer's responsibility to ensure that the performance of the products are suitable for the customers' specific uses or applications. Specifications, terms, and pricing are subject to change. Not all products are available in all countries. Please consult your sales representative for details.
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