



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

- Large capacity of up to 16 x 550 mL blood bags
- Auto-ID™ Instant Rotor Identification
- GreenCool technology and Eco-Spin™ Rotors
- Centri-Touch™ Interface
- Auto-Door™ and Auto-Lid™ Function
- DuraFlex™ Drive Technology
- Accumulated Centrifugal Effect (ACE™) Function
- Centri-Cross™ Function
- Centri-View™ Application
- Compliant with EU 2017/745 Medical Device Regulation

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 windshielded 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

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