

Performance you can rely on

Introduction

Heal Force Neofuge15 and its refrigerated counterpart, the Neofuge 15R offer the functionality of three centrifuges: high-capacity, general-purpose centrifuge for cell harvesting; a high-speed centrifuge for separating cell lysates; and a microcentrifuge for DNA precipitations. They are widely used in routine laboratories research in the fields of bioscience, medicine and industry.

Features

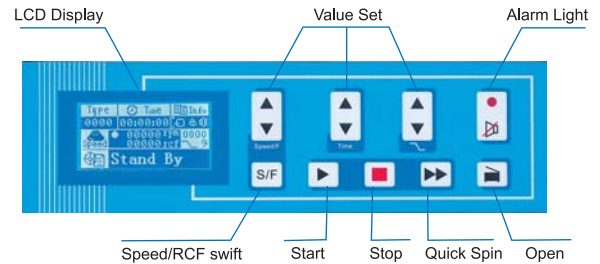
- Spin up to 16,000rpm or 20,800xg
- Max. capacity of 400ml
- Induction drive without carbon brushes
- Powerful motors for short acceleration and braking times
- Broad range of adaptors and modular accessories

User-friendliness

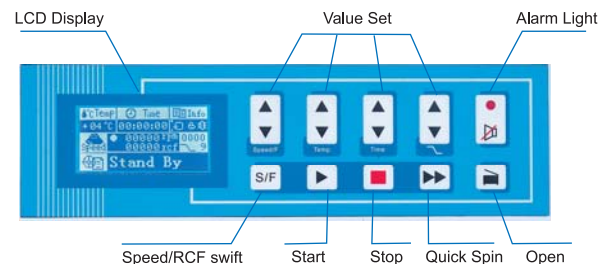
- Large back-lit LCD screen and easy-to-clean keypad comprise the user-friendly control panel
- Time, temperature (refrigerated models), g-force/speed are easily entered
- Most values can be changed during centrifugation
- Quick spin key enables quick runs at your desired rotational speed
- Nine acceleration and braking ramps are available for sensitive samples
- The last user program used stays automatically on display

Cooling system

- Refrigerated by CFC-free unit (Ra134a)
- Temperature range from -10 °C to +40 °C
- Rotors can be spun at maximum speed and still maintain 4 °C
- Precooling rotors function during standby



Neofuge 15R panel (Refrigerated)



Neofuge 15 panel

Safety design

- Lid locking and holding during rotor run
- Emergency lid-lock release
- Motor-overheating protection
- Automatic rotor identification
- Electronic imbalance detection

Modular adaptors

- The modular construction of adaptors allow centrifugation of practically all commercially available tubes
- The adaptors are solidly constructed and can be easily cleaned and autoclaved in event of contamination with biologically active sample material

Versatility

Fixed angle, swinging bucket, microliter rotors for all common tubes from 0.2 to 100 are available for applications using microliter, DIN, blood sample and Falcon™ type conical tubes.



Neofuge 15

Neofuge 15R (Refrigerated)

Automatic rotor identification

Different rotors are identified automatically by the control center. The system indicates alarm signal in cases of following conditions: setting speed exceeding limit, empty running without rotors, and failure of rotor identification

Imbalance Recognition

The Neofuge 15/15R are equipped with electronic imbalance recognition system, which responds in case samples are loaded incorrectly or the tube is broken. Centrifugation is interrupted and the user can remove the rotor and, if necessary, decontaminate it.

Quick overview of rotors family for centrifuge Neofuge 15/15R



#1501 Fixed angle rotor (Standard)

#1501 Fixed angle rotor / 24x1.5/2.0ml, 16000rpm, 24900xg,45°

Centrifuge tube					Adaptor		
Capacity	Type	Diameter	Length	Tube qty/rotor	Specification	Order NO.	Packed/unit
2.0ml	round	Ø11mm	47mm	24 PCS	-	-	-
1.5ml	round	Ø11mm	47mm	24 PCS	-	-	-
0.5ml	conical	Ø8mm	32mm	24 PCS	1x0.5ml	ADP17.02-001	24 PCS
0.2ml	conical	Ø6.5mm	22mm	24 PCS	1x0.2ml	ADP17.02-002	24 PCS



#1502 Swing-bucket rotor (Optional)

#1502 Swing-bucket rotor / 4x100ml, 4000rpm, 2612xg (rotor incl. 4 aerosol-tight standard buckets)

Centrifuge tube					Adaptor		
Capacity	Type	Diameter	Length	Tube qty/rotor	Specification	Order NO.	Packed/unit
100ml*	flat	Ø45mm	100mm	4 PCS	-	-	-
50ml	round	Ø29mm	114mm	4 PCS	1pcx50ml	SP15.04.100.S50-10	4 PCS
50ml	conical	Ø29mm	116mm	4 PCS	1pcx50ml	SP15.04.100.C50-10	4 PCS
50ml	round	Ø36mm	110mm	4 PCS	1pcx50ml	SP15.04.100.50-10	4 PCS
25ml	round	Ø25mm	115mm	4 PCS	1pcx25ml	SP15.04.100.25-10	4 PCS
15ml	conical	Ø17mm	120mm	4 PCS	1pcx15ml	SP15.04.100.C15-10	4 PCS
15ml	round	Ø17mm	104mm	12 PCS	3pcsx15ml	SP15.04.100.15-00	4 PCS
7ml	round	Ø12mm	104mm	20 PCS	5pcsx7ml	SP15.04.100.7-00	4 PCS
5/7ml	round	Ø12mm	104mm	12 PCS	3pcsx5/7ml	SP15.04.100.5-00	4 PCS
1.5/2.0ml	round	Ø11mm	41mm	40 PCS	10pcsx1.5/2ml	SP15.04.100.1-00	4 PCS

*HealForce can provide such bottle



#1503 Fixed angle rotor (Optional)

#1503 Fixed angle rotor / 6x50ml, 8500rpm, 9693xg,45°

Centrifuge tube					Adaptor		
Capacity	Type	Diameter	Length	Tube qty/rotor	Specification	Order NO.	Packed/unit
50ml	conical	Ø29.5mm	116mm	6 PCS	1pcx50ml	F08.50-04	6 PCS
50ml	round	Ø29mm	115mm	6 PCS	1pcx50ml	ADP15.94-001	6 PCS
38ml	round	Ø25.5mm	96mm	6 PCS	1pcx38ml	ADP15.94-002	6 PCS
16ml	round	Ø18mm	114mm	6 PCS	1pcx16ml	ADP15.94-003	6 PCS
15ml	conical	Ø16mm	120mm	6 PCS	1pcx15ml	ADP15.94-008	6 PCS
12ml	round	Ø16mm	112mm	12 PCS	2pcsx12ml	ADP15.94-004	6 PCS
10ml	round	Ø16mm	82mm	6 PCS	1pcsx10ml	ADP15.94-011	6 PCS
6.5ml	round	Ø13mm	104mm	18 PCS	3pcsx6.5ml	ADP15.94-005	6 PCS
5ml	round	Ø13.5mm	52mm	12 PCS	2pcsx5ml	ADP15.94-010	6 PCS
3.5ml	round	Ø11mm	85mm	24 PCS	4pcsx3.5ml	ADP15.94-006	6 PCS
1.5ml	conical	Ø11mm	41mm	24 PCS	4pcsx1.5ml	ADP15.94-007	6 PCS



#1507 Microplate rotor (Optional)

#1507 Microplate rotor with 2 racks / 2 microplate, 3000rpm, 1087xg,90°

Centrifuge microplate				Adaptor		
Name	LxWxH(mm)	Tube qty/rotor	Specification	Order NO.	Packed/unit	
96-hole microplate	128x85.6x15	6 PCS	-	-	-	
24-hole microplate	128x85.6x21	4 PCS	-	-	-	
96-hole deep microplate	128x85.6x45	2 PCS	-	-	-	



#1508 Fixed angle rotor (Optional)

#1508 Fixed angle rotor / Neofuge 15R:8x50ml,12000rpm, 15778xg,26° Neofuge 15 :8x50ml,10000rpm, 10957xg,26°

Centrifuge tube					Adaptor		
Capacity	Type	Diameter	Length	Tube qty/rotor	Specification	Order NO.	Packed/unit
50ml	round	Ø29mm	112mm	8pcs	-	-	-
38ml	round	Ø25.5mm	92mm	8pcs	1pcx38ml	ADP15.50-001	8pcs
16ml	round	Ø18mm	108mm	8pcs	1pcx16ml	ADP15.50-002	8pcs
15ml	round	Ø16mm	115mm	8pcs	1pcx15ml	ADP15.50-010	8pcs
12ml	round	Ø16mm	106mm	8pcs	1pcx12ml	ADP15.50-003	8pcs
10ml	round	Ø16mm	82mm	8pcs	1pcx10ml	ADP15.50-008	8pcs
6.5ml	round	Ø13mm	104mm	8pcs	1pcx6.5ml	ADP15.50-004	8pcs
5ml	round	Ø13.5mm	52mm	8pcs	1pcx5ml	ADP15.50-007	8pcs
3.5ml	round	Ø11mm	82mm	24pcs	3pcsx3.5ml	ADP15.50-005	8pcs
1.5ml	conical	Ø11mm	41mm	16pcs	2pcsx1.5ml	ADP15.50-006	8pcs

Neofuge 15R Technical Specifications

Max. speed	16,000rpm
Min. speed	300rpm
Steplength	in 100rpm increments
Max. RCF	
Fixed-angle rotor	24900×g
Swing-out rotor	2612×g
Plate rotor	1087×g
Max. capacity	
Fixed-angle rotor	6×50ml
Swing-out rotor	4×100ml
Rotor options	5
Accel./Braking curves	9\9
Refrigerant	R134(CFC free)
Power supply	220V/50Hz-60Hz
Rated power	850VA
Drive	Induction drive without carbon brushes
Noise at max. speed	≤60dB
Temperature range	-10 C~+40 C, precooling
Control	Microprocessor
Run time	0~9h 59min, cont.operation(hold)
Functions	Quick-spin, RPM/RCF swift
Rotor recognition	Automatic
Imbalance detection	Electronic
Program	The most recent data remains in the memory
Dimensions(W*D*H) (mm)	580×520×315
Net weight without rotor kg(lb)	79(174)
Test standards	"Manufactured and tested in accordance with EN60601-2-020/A1:1996"

Neofuge 15 Technical Specifications

Max. speed	16,000rpm
Min. speed	300rpm
Steplength	in 100rpm increments
Max. RCF	
Fixed-angle rotor	24900×g
Swing-out rotor	2612×g
Plate rotor	1087×g
Max. capacity	
Fixed-angle rotor	6×50ml
Swing-out rotor	4×100ml
Rotor options	5
Accel./Braking curves	9\9
Refrigerant	N/A
Power supply	220V/50Hz-60Hz
Rated power	470VA
Drive	Induction drive without carbon brushes
Noise at max. speed	≤65dB
Temperature range	N/A
Control	Microprocessor
Run time	0~9h 59min, cont.operation(hold)
Functions	Quick-spin, RPM/RCF swift
Rotor recognition	Automatic
Imbalance detection	Electronic
Program	The most recent data remains in the memory
Dimensions(W*D*H) (mm)	525×390×330
Net weight without rotor kg(lb)	58(128)
Test standards	"Manufactured and tested in accordance with EN60601-2-020/A1:1996"



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