

# Neofuge 1600/1600R

## Laboratory Centrifuge

CE 0123

Neofuge 1600

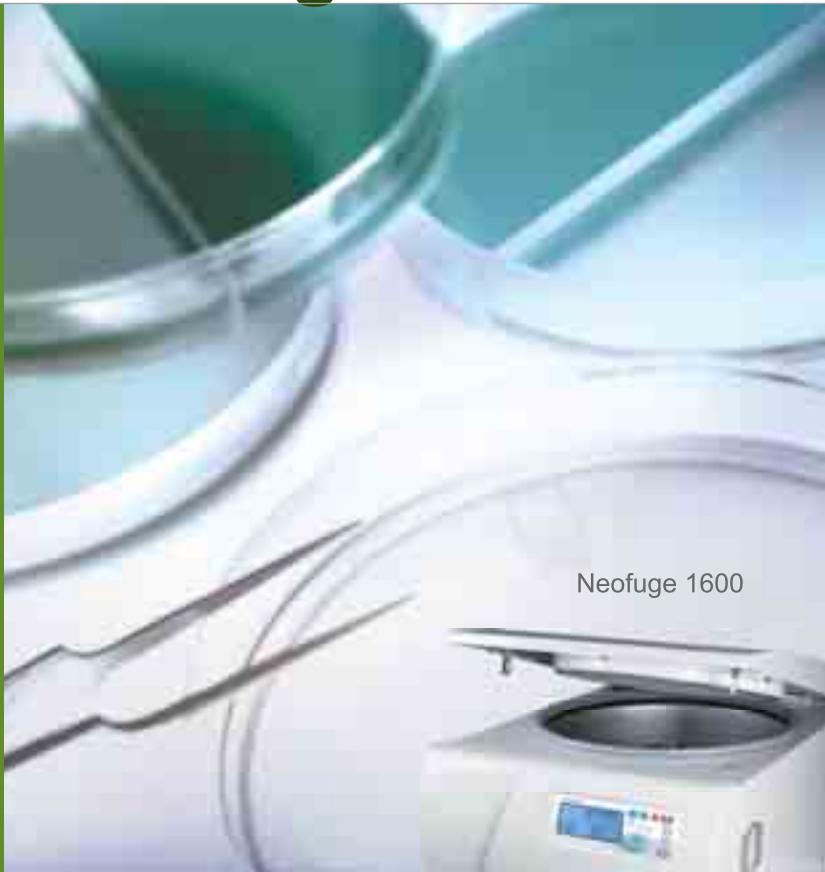


Neofuge 1600R



Heal Force leads you to healthier life

# Neofuge 1600/1600R Laboratory Centrifuge



Heal Force Neofuge 1600/1600R benchtop laboratory centrifuge sets the standards in quality, design, and innovation that comes from a heritage of many years of experience. Neofuge 1600/1600R offers maximum application versatility including a high-capacity, general-purpose centrifuge for cell harvesting; a high-speed centrifuge for separating cell lysates; and a microcentrifuge for DNA precipitations.

## Features

### Performance And Versatility

- Max. capacity of 4×400ml
- Spin up to 15000rpm or 23646×g
- Interchangeable swing-bucket and high-speed fixed-angle rotors
- Broad range of adapters and modular accessories



### User-friendly Interface

- Large back-lit LCD display of RCF, time, temperature, acceleration, braking rates and error messages
- Easy control for parameter setting and precise control by microprocessor
- Short-spin key enables quick runs at your desired rotational speed.
- P1, P2, P3 shortcut function button for easy access to three frequently used programs.
- Save up to 10 individual user programs
- Values can be changed during centrifugation



### Cooling system

- Temperature range from -10°C to +40°C
- Rotors can be spun at maximum speed and still maintain the setting temperature
- Standby cooling maintains temperature when centrifuge is not in use

\*For Neofuge 1600R only

### Operation and safety

- Automatic rotor identification
- Electronic imbalance detection
- The lid is locked by electronic latch automatically
- High quality rotors (Ultraduralumin, Aerosol-tight, Autoclavable(121°C, 20min)
- 9 acceleration and ten braking rates for added protection of sensitive sample material
- Powerful motors for short acceleration and brake times


**#2302 fixed angle rotor**

## #2302 fixed angle rotor

24×2ml, 15000rpm, 21885×g, 45°

Centrifuge tube					Adaptor		
Capacity	Type	Diameter	Length	Tube qty/rotor	Tube qty/adaptor×volume	Order No.	Adaptor qty/rot
2/1.5ml	round	Ø11mm	47mm	24pcs	-	-	-
0.5ml	conical	Ø8mm	32mm	24pcs	1pc×0.5ml	ADP17.02-001	24pcs
0.2ml	conical	Ø6.5mm	22mm	24pcs	1pc×0.2ml	ADP17.02-002	24pcs


**#2304 fixed angle rotor**

## #2304 fixed angle rotor

6×94ml, 12000rpm, 16260×g, 26°

Centrifuge tube					Adaptor		
Capacity	Type	Diameter	Length	Tube qty/rotor	Tube qty/adaptor×volume	Order No.	Adaptor qty/rotor
94ml	round	Ø38mm	116mm	6pcs	-	-	-
50ml	conical	Ø29.5mm	116mm	6pcs	1pc×50ml	F08.50-04	6pcs
50ml	round	Ø29mm	115mm	6pcs	1pc×50ml	ADP15.94-001	6pcs
38ml	round	Ø25.5mm	96mm	6pcs	1pc×38ml	ADP15.94-002	6pcs
16ml	round	Ø18mm	114mm	6pcs	1pc×16ml	ADP15.94-003	6pcs
15ml	conical	Ø16mm	120mm	6pcs	1pc×15ml	ADP15.94-008	6pcs
12ml	round	Ø16mm	112mm	12pcs	2pcs×12ml	ADP15.94-004	6pcs
10ml	round	Ø16mm	82mm	6pcs	1pcs×10ml	ADP15.94-011	6pcs
6.5ml	round	Ø13mm	104mm	18pcs	3pcs×6.5ml	ADP15.94-005	6pcs
5ml	round	Ø13.5mm	52mm	12pcs	2pcs×5ml	ADP15.94-010	6pcs
3.5ml	round	Ø11mm	85mm	24pcs	4pcs×3.5ml	ADP15.94-006	6pcs
1.5ml	conical	Ø11mm	41mm	24pcs	4pcs×1.5ml	ADP15.94-007	6pcs


**#2305 fixed angle rotor**

## #2305 fixed angle rotor

8×50ml, 12000rpm, 17226×g, 30°

Centrifuge tube					Adaptor		
Capacity	Type	Diameter	Length	Tube qty/rotor	Tube qty/adaptor×volume	Order No.	Adaptor qty/rotor
50ml	round	Ø29mm	112mm	8pcs	-	-	-
38ml	round	Ø25.5mm	92mm	8pcs	1pc×38ml	ADP15.50-001	8pcs
16ml	round	Ø18mm	108mm	8pcs	1pc×16ml	ADP15.50-002	8pcs
15ml	round	Ø16mm	115mm	8pcs	1pc×15ml	ADP15.50-010	8pcs
12ml	round	Ø16mm	106mm	8pcs	1pc×12ml	ADP15.50-003	8pcs
10ml	round	Ø16mm	82mm	8pcs	1pc×10ml	ADP15.50-008	8pcs
6.5ml	round	Ø13mm	104mm	8pcs	1pc×6.5ml	ADP15.50-004	8pcs
5ml	round	Ø13.5mm	52mm	8pcs	1pc×5ml	ADP15.50-007	8pcs
3.5ml	round	Ø11mm	82mm	24pcs	3pcs×3.5ml	ADP15.50-005	8pcs
1.5ml	conical	Ø11mm	41mm	24pcs	3pcs×1.5ml	ADP15.50-006	8pcs


**#2308 microplate rotor**

## #2308 microplate rotor with 2 racks Rotor #2308 incl. 2 microplate buckets

2 microplates, 3000rpm, 1368×g, 90°

Centrifuge microplate			Adaptor		
Name	L×D×H(mm)	Tube qty/rotor	Tube qty/adaptor×volume	Order No.	Adaptor qty/rotor
96-hole microplate	128×85.6×15	6pcs	-	-	-
24-hole microplate	128×85.6×21	4pcs	-	-	-
96-hole deep microplate	128×85.6×45	2pcs	-	-	-



#1807 fixed angle rotor



#1601 fixed angle rotor



#1602 Swing-out rotor

## #1807 fixed angle rotor

48×2ml,15000rpm,23646×g,45°

Centrifuge tube					Adaptor		
Capacity	Type	Diameter	Length	Tube qty/rotor	Tube qty/adaptor×volume	Order No.	Adaptor qty/rot
2/1.5ml	round	Ø11mm	47mm	48pcs	-	-	-
0.5ml	conical	Ø8mm	32mm	48pcs	1pc×0.5ml	ADP17.02-001	48pcs
0.2ml	conical	Ø6.5mm	22mm	48pcs	1pc×0.2ml	ADP17.02-002	48pcs

## #1601 fixed angle rotor

8×8×0.2ml,13000rpm,13604×g,45°

Centrifuge tube					Adaptor		
Capacity	Type	Diameter	Length	Tube qty/rotor	Tube qty/adaptor×volume	Order No.	Adaptor qty/rot
8×0.2ml	conical	Ø6.5mm	-	8pcs	-	-	8pcs
0.2ml	conical	Ø6.5mm	22mm	64pcs	-	-	64pcs

## #1602 swing-out rotor

Rotor #1602 incl. 4 aerosol-tight standard buckets

4×400ml,4500rpm,4437×g,90°

Centrifuge tube					Adaptor		
Capacity	Type	Diameter	Length	Tube qty/rotor	Tube qty/adaptor×volume	Order No.	Adaptor qty/rotor
400ml*	flat	Ø87mm	136mm	4pcs	-	-	-
210ml*	flat	Ø66mm	107mm	4pcs	1×210ml	ADP16.04.400.250-10	4pcs
180ml*	flat	Ø56mm	119mm	4pcs	1×180ml	ADP16.04.400.180-10	4pcs
100ml*	flat	Ø45mm	100mm	4pcs	1×100ml	ADP16.04.400.100-10	4pcs
50ml	conical	Ø29.5mm	116mm	16pcs	4×50ml	ADP16.04.400.50-00	4pcs
15ml	conical	Ø16.5mm	120mm	40pcs	10×15ml	ADP16.04.400.15-00	4pcs
10ml	round	Ø13.5mm	82mm	56pcs	14×10ml	ADP16.04.400.10-00	4pcs
7ml/5ml**	round	Ø13mm	≤115mm	76pcs	19×7ml/5ml	ADP16.04.400.C-00	4pcs

\*Heal Force can provide tubes  
\*\*For Blood Collection

## Specifications

Max. speed	15,000rpm	Noise at max. speed	≤67dB
Min. speed	300rpm	Temperature range	-10°C ~+40°C (1600R)
Steplength	100rpm	Refrigerant	R404a (CFC-free)
Max. RCF	23,646×g	Control	Microprocessor control
Max. capacity	4×400ml	Running time	≤9h 59min, quick spin
Braking/acceleration curves	10/9	Dimensions(H×W×D)	550mm×670mm×405mm(1600)
Programs	10		785mm×670mm×405mm(1600R)
Power supply	220V/50Hz	Net weight without rotor	105KG(1600)
Drive	Brushless induction motor		126KG(1600R)



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