

Your Partner in Laboratory Centrifuges

MSE



Hawk

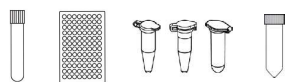
Small capacity bench top centrifuge



18 000 rpm




24 270x g



4 x 100ml / 500 ml

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 MSE Centrifuges

Dedicated of centrifuge
intelligence

- Delayed start function;
- two countdown modes: from pressing the start button or from reaching the set speed; intuitive parameter modification (RPM / RCF)
- Locking of selected functions, password protection
- Maintenance-free induction motor
- Continuous or short-time operation
- Automatic rotor identification
- Automatic lid opening
- Parameters can be changed during centrifugation
- Programmable density adjustment for samples > 1.2g / cm³
- Wide range of rotors and accessories; customized adaptors on request



ANGLE ROTOR SYSTEMS



Cat. No.	Rotor name	Max. Capacity	Max. speed rpm	Max. RCF xg	Max. Φ mm	Adaptor
MSE2351	Hematocrit rotor for 24 capillaries	24 x 75 mm	13 000	16 816	1,4	N/A
MSE1767	Angle rotor for PCR strips with hermetic lid (45° angle)	4 x 8 x 0.2 ml	14 000	15 339	10,2	N/A
MSE1250	Angular rotor 12 x 2/1.5 ml with hermetic lid (45° angle)	12 x 2/1.5 ml	18 000	24 270	10,8	N/A
MSE1512	Angle rotor 24 x 2/1.5 ml with hermetic lid (45° angle)	24 x 2/1.5 ml	15 100	21 158	10,8	MSE 4135 Adaptor for 0.5 ml tube
MSE1513	Angular rotor 36 x 2/1.5 ml with hermetic lid (45° angle)	36 x 2/1.5 ml	14 000	18 188	10,8	MSE4177 Conical adaptor for 0.2 ml tube
MSE1811	Angle rotor 24 x 2 ml for filter tubes/spin columns with hermetic lid (45° angle)	24 x 2 ml	15 000	21 382	10,8	MSE4184 Adaptor for 0,2 ml tube
MSE1994	20 x 1.8 ml angular rotor for SARSTEDT CRYO tubes with hermetic lid (45° angle)	20 x 1.8 ml	12 000	13 684	12,3	N/A



Cat. No.	Rotor name	Max. Capacity	Max. speed rpm	Max. RCF xg	Max. Φ mm	Adaptor
MSE1267	Angle rotor 12 x 5 ml with Hermetically Sealed Lid (angle 45°)	12 x 5 ml	14 000	19 064	12	N/A
MSE1995	Angle rotor 12 x 5 ml Eppendorf tubes with Hermetically Sealed Lid (angle 45°)	12 x 5 ml	12 000	13 684	17	N/A
MSE1792C/A	Angle rotor 8 x 15/10 ml (angle 30°) (with bucket MSE3131)	8 x 15/10 ml	6 000	4 226	17	MSE4133 Round Adaptor without bottom 1 x 13.3 mm
MSE1792C/B	Angle rotor 8 x 10 ml (angle 30°) (with bucket MSE3132)	8 x 10 ml	6 000	3 783	17	
MSE1268C/A	Angle rotor 10 x 15/10 ml (angle 30°) (with bucket MSE3131)	10 x 15/10 ml	6 000	4 226	17	
MSE1268C/B	Angle rotor 10 x 10 ml (angle 30°) (with bucket MSE3132)	10 x 10 ml	6 000	4 226	17	
MSE1791C/A	Angle rotor 12 x 15/10 ml (angle 30°) (with bucket MSE3131)	12 x 15/10 ml	5 500	3 686	17	
MSE1791C/B	Angle rotor 12 x 10 ml (angle 30°) (with bucket MSE3132)	12 x 10 ml	5 500	3 686	17	
MSE1796C/A	Angle rotor 24 x 15/10 ml (angle 30°) (with bucket MSE3131)	24 x 15/10 ml	5 000	3 354	17	
MSE1796C/B	Angle rotor 24 x 10 ml (angle 30°) (with bucket MSE3132)	24 x 10 ml	5 000	3 130	17	
MSE1552C/A	Angle rotor 30 x 15/10 ml (angle 30°) (with bucket MSE3131)	30 x 15/10 ml	4 500	3 011	17	
MSE1552C/B	Angle rotor 30 x 10 ml (angle 30°) (with bucket MSE3132)	30 x 10 ml	4 500	2 875	17	
MSE1766	Angle rotor 10 x 10 ml with Hermetically Sealed Lid (angle 30°)	10 x 10 ml	14 000	15 558	17	N/A
MSE1794C	Angle rotor 12 x 30/25 ml (angle 30°) (with bucket MSE3380)	12 x 30/25 ml	5 500	4 058	25,5	MSE4306 – Adaptor without bottom for 7 ml Nalgene tube MSE 4307 – Adaptor without bottom for 15 ml Nalgene tube



Cat. No.	Rotor	Rotor Capacity	Max. RPM	Max. RCF	Diam.	Adaptor
MSE1797C	Angular rotor 6 x 50 ml (angle 30°) (with bucket MSE3327)	6 x 50 ml	6 000	4 427	30	
MSE1264C/A	Angular rotor 8 x 50 ml for Falcon tubes (angle 30°) (with bucket MSE3329)	8 x 50 ml	5 500	4 227	30	MSE7209 - Lid for MSE3229 cup MSE4086 - Adapter for Nalgene 15 ml round-bottom tube MSE4087 - Adapter for 5 ml round-bottom tube MSE4094 - Adapter for 5 ml round-bottom tube
MSE1264C/B	Angle rotor 8 x 50 ml for Falcon tubes (30° angle) (with bucket MSE3327)	8 x 50 ml	5 500	4 227	30	MSE4122 - Adapter for Nalgene 28/30 ml round-bottom tube MSE4124 - Adapter for 10 ml round-bottom tube and 7,5 ml S-Monovette
MSE1795C	Angle rotor 10 x 50 ml (angle 30°) (with bucket MSE3327)	10 x 50 ml	4 500	2 830	30	MSE4140 - Adapter for 15 ml Falcon round-bottom tube MSE4299 - Bottomless adapter for Nalgene 28 ml tube MSE4919C/A - Adapter used with MSE4140 MSE4919C/B - Adapter for 5 ml Eppendorf tube with pressure cap or screw cap
MSE1769C	Angle rotor 4 x 100 ml (angle 30°) (with bucket MSE3770)	4 x 100 ml	6 300	5 014	45,2	MSE4075 - Adapter for 15 ml Falcon tube MSE 4240C - Adapter for 50 ml Falcon tube or Nalgene tube with rubber buffer MSE4239 MSE4241C - Adapter for 30/25 ml conical-bottom tube with rubber buffer MSE4239 MSE4243C - Adapter for 50 ml round or conical bottom tube with rubber buffer MSE4239 MLSE4275C - Adapter for 30 ml round-bottom or skirted, conical-bottom Sterilin tube MSE4277 - Adapter for 50 ml Greiner conical-skirted tube MSE4247 - PP pad under 100 ml PP tube MSE4239 - Rubber buffer under glass tube



SWING OUT ROTOR SYSTEMS

Swing out rotor 4 x 100 ml - ref. MSE2251 - RPM 4000 / RCF 2504

Cat. No.	Accessories	Dim.
MSE3164	Blood sampling rack 12 x 1,6+4ml tubes	12 x 13,1 mm
MSE3251	100 ml bucket Ø 58.4 x 81.5 mm	Ø 58.4 x 81.5 mm
MSE3252C	Bucket 100 ml Ø 58.4 x 87 mm with lid MSE7253	Ø 58.4 x 87 mm
MSE7253	Lid for bucket MSE3251	
MSE3266	Tube hook Vial 2 x 15 ml	2 x 17,7 mm
MSE4064	Blood sampling adapter 8 x 1,6+7 ml tubes	1 x 16,9 mm
MSE4067	Blood sampling adapter 7 x 7+11 ml 70,00	5 x 12,5 mm
MSE4071	Adapter for round-bottom tubes 5 x 10 ml Nalgene and 5 x 13/14 ml Startdedt	4 x 13,1 mm
MSE4072	Adapter for round-bottom tubes 10 x 1,5/2 ml Eppendorf	4 x 16,5 mm
MSE4074	Adapter for 30 ml Nalgene round-bottom tubes	1 x 30 mm
MSE4077	Bottomless adapter for 50 ml conical-bottom tube Greiner	1 x 25,5 mm
MSE4077C	Adapter for 50 ml Falcon® tube and 50 ml Nalgene tube (well MSE3251) or for 50 ml Nalgene tube (well MSE3252C) with rubber buffer MSE4239	1 x 35,5 mm
MSE4079	Adapter for 50 ml round-bottom glass tube	5 x 11 mm
MSE4080	Adapter for 7 ml round-bottom tube	1 x 25,8 mm
MSE4151C/A	Adapter for 100 ml round-bottom glass tube with rubber buffer MSE4239	1 x 30 mm
MSE4151C/B	Adapter for 100 ml PP round-bottom tube with rubber buffer 14196	1 x 13,3 mm

Swing-out rotor for microtitres - ref. MSE2269C - RPM 3000 / RCF 916 (max 2 MTP) (with 2 hangers MSE3270)

Cat. No	Accessories	Dimension
MSE3270	2 hangers for microtitres	86x128x15/17,5mm



OUR RANGE OF MICROCENTRIFUGES






Designed with a compact form factor, our microcentrifuge machines are suitable for all types of lab environments, regardless of space constraints.

With minimal dimension, they offer quick and accurate separation and efficient centrifugation of all types of samples. Very quiet they allow a comfortable working environment.

OWL




- Digital display and easy to clean buttons
- Fast acceleration and braking times
- Automatic lid locking and opening
- Viewing port in the lid
- Centrifugation time adjustment
- Quick acceleration and brake time



 15 000
 15 596
 12
 From 0.1 to 2 ml



KESTREL

- Space-saving design
- Digital display and easy to clean buttons
- Brushless drive and stainless steel chamber
- Program and pulse button
- Emergency lid lock release
- Viewing port in the lid




 6 000
 3 341
 24

 8 blood tubes
 8 tubes falcon
 15 ml



MICRO CENTAUR




- Brushless drive and stainless-steel chamber
- Lid locking during rotor running
- Program and pulse button
- Emergency lid lock release
- Viewing port in the lid
- Centrifugation time adjustment




 14 500
 15 279
 24



MICRO CENTAUR R

- Improved and refrigerated version of Micro Centaur
- Timer from 1 second to 99h, 99mn et 99s
- 99 programs / 10 acceleration and 10 deceleration rates
- Speed cooling

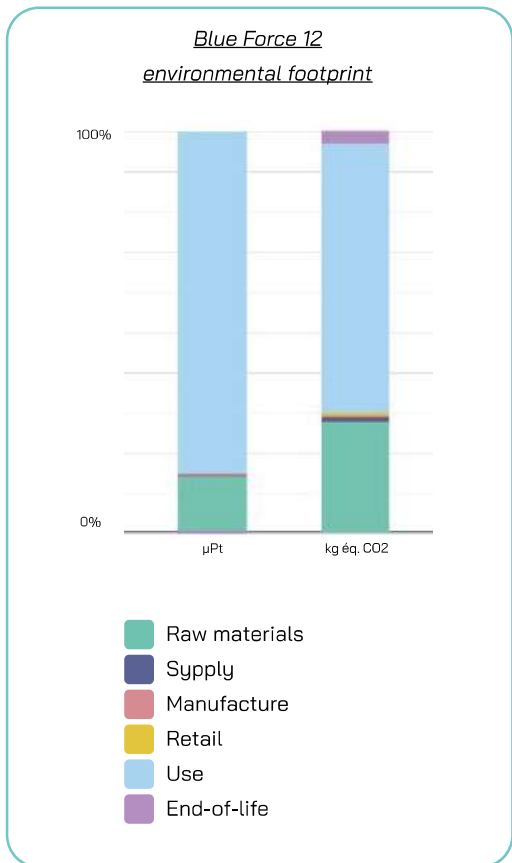
 15 000
 21 382
 24

 8 blood tubes
 8 tubes falcon
 15 ml
 -20°C to +40°C



Our mission is to be at the forefront of centrifuge innovation, but this goes hand in hand with our commitment to better production! We design and improve our centrifuges to have as little impact as possible on the environment and offer solutions to reduce our carbon footprint.

To minimize the carbon impact of manufacturing we work mainly with local suppliers.



FOCUS ON OUR ECODESIGN APPROACH

The studies we ran with an independent office specialized in **Eco-design** shows that the most impacting cycle is the use of the centrifuge.

Our R&D engineers have adopted an eco-design approach to provide our customer a centrifuge that is using less energy, but not only.

We have been able to act right from the conception of the machine in order to :

- ✓ REDUCE ENERGY CONSUMPTION
- ✓ FACILITATE REPAIRS AND MAINTENANCE,
- ✓ EXPAND SERVICE LIFE
- ✓ MINIMIZE THE QUANTITY OF MATERIALS
- ✓ INCORPORATING FLEXIBILITY TO COUNTER TECHNOLOGICAL CHANGE



Interview with MSE’s Director and MSE’s R&D manager on the actions taken to limit the energy consumption of our centrifuges and their carbon impact.



TECHNICAL DATA



- **WARRANTY:** 2 years + extended
- **CUSTOMER ORIENTATION:** immediate assistance, claims or inquiries
- **QUALITY :** ISO 9001 and ISO 13484 certify testify to the quality of our products and our commitment to continuous improvement. d'amélioration continue.
- All our centrifuges are marked **CE et IVD**



Height	315 mm
Width	365 mm
Depth	495 mm
Weight	25 kg
Max Capacity	500 ml
Max. RPM	90 à 18 000, pas de 1 RPM
Max. RCF	24 270 xg
Timer	1 second to 99 heures, 59 minutes 59s, 1s step ou continus
Noise	≤53 dB
Power	230V, 6.3A, simple phase, 50/60Hz 110V, 10A, simple phase, 60Hz
Acceleration steps	10
Break steps	10
Qty of programs	100
Display	LED
Moteur	Induction motor, brushless drive
Safety Features	Imbalance sensor Lid locking during centrifugation and opening Emergency lid opening Stainless steel centrifuge chamber Product complies with international safety standards EN-61010-1 and EN-61010-2-020, EN-61010-2-101
Catalogue reference	230V, 50/60Hz MSB050.CX.1 110V, 60Hz MSB050.CX3.1

All MSE centrifuges comply with the latest European safety and environmental standards. Our ISO 9001 & ISO 13485 certifications testify to the quality of our products and our commitment to continuous improvement. Our centrifuges also comply with the RoHS directive.

