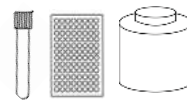


Your Partner in Laboratory



Hawk

Small capacity bench top centrifuge



4 x 100ml



18 000 RPM



24 270 x g



MSE
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DECADES OF CENTRIFUGE
INTELLIGENCE

FEATURES

- Space-saving and modern design
- Centrifuges designed according to specific needs of clinics, laboratories and hospitals
- Quick and accurate separation of mixtures and biological samples, up to 18 000 RPM
- Lid locking during rotor running
- Viewing port in the lid
- **Digital display and easy to clean buttons**
- Emergency lid lock release
- **IVD-conform according to directive 98/79/EC**
- Brushless drive
- Stainless steel chamber
- **10 languages** (FR, EN, ES, IT, PT, DE, RU, SE, CZ, PL)
- PULSE and HOLD mode
- **100 programs**
- Selected functions blocking password protection
- Manual centrifugal radius adjustment (with automatic RCF correction)
- **Wide range of rotors**
- Time calculation from reaching preselected speed



BUCKETS

MSE Reference	Description	Dimension
MSE3131	Bucket with rubber cushion for tubes 15/10ml (flat-bottom)	Φ 17 x 100/120 mm
MSE3132	Bucket with rubber cushion for tubes 10/6ml	Φ 17 x 70/85 mm
MSE3164	Hanger for blood collection 12 x 1,6÷4ml tubes	12 x 13.1 mm
MSE3233	Bucket 100 ml Φ 45 x 89 mm	Φ 45 x 89 mm
MSE3246	Hanger 2 x 15 ml for Falcon tube with bucket MSE3131	2 x 15 ml
MSE3251	Bucket 100 ml Φ 58.4 x 81.5 mm	Φ 58.4 x 81.5 mm
MSE3266	Hanger for 2 x 15 ml Flacon tube	2 x 17.7 mm
MSE3270	2 hangers for microtiter swing-out rotor	
MSE3316	Bucket for Arthrex ACP system tube with cap	
MSE7202	Lid for bucket MSE3329	
MSE7236	Lid for bucket MSE3233 (aluminium)	
MSE7253	Lid for bucket MSE3251	
MSE3235C	Bucket 100 ml Φ 45 x 89 mm with cap MSE7236	Φ 45 x 96 mm
MSE3252C	Bucket 100 ml Φ 58.4 x 87 mm with lid MSE7253	Φ 58.4 x 87 mm
MSE3318C	Bucket 50 ml for Falcon tube with lid MSE7202	

ADAPTATORS

MSE Reference	Description	Dimension
MSE6215	Hematocrite reader - round	
MSE4064	Round Adaptor for blood collection 8 x 1,6÷7 ml tubes	13.1 mm
MSE4067	Round Adaptor for blood collection 7 x 7÷11 ml tubes	16.5 mm
MSE4071	Round Adaptor for round-bottom 5 x 10 ml Nalgene and 5 x 13/14 ml Sarstedt tubes	17 mm
MSE4072	Round Adaptor for round-bottom 10 x 1,5/2 ml Eppendorf tubes	11 mm
MSE4074	Round Adaptor for round-bottom 30 ml Nalgene tube	25.8 mm
MSE4075	Round Adaptor for 15 ml Falcon tube	16.9 mm
MSE4077	Round Adaptor without bottom for skirted, conical-bottom 50 ml Greiner tube	30 mm
MSE4079	Round Adaptor for round-bottom glass 50 ml tube	35.5 mm
MSE4080	Round Adaptor for round-bottom 7 ml tubes	58 mm
MSE4086	Round Adaptor for round-bottom 15 ml Nalgene tube	17 mm
MSE4087	Round Adaptor for round-bottom 5 ml tube	14 mm
MSE4094	Round Adaptor for round-bottom 5 ml tube	13 mm
MSE4122	Round Adaptor for round-bottom 28/30 ml Nalgene tube	25.8 mm
MSE4124	Round Adaptor for round-bottom 10 ml and S-Monovette 7.5 ml tube	17 x 86 mm
MSE4133	Round Adaptor without bottom	13.3 mm
MSE4135	Round Adaptor without bottom for 0.5 ml tube	8 mm
MSE4140	Round Adaptor for round-bottom 15 ml Falcon tube	16.9 mm
MSE4177	Round Adaptor for conical-bottom 0.4 ml tube	5.8 mm
MSE4184	Round Adaptor for round-bottom 0.2 ml tube	6.2 mm
MSE4232	Round Adaptor for round-bottom 5 x 7/5 ml tubes	12.5 mm
MSE4237	Round Adaptor for blood collection 4 x 1.,6÷7 ml tubes	13.1 mm
MSE4238	Round Adaptor for blood collection 4 x 7÷11 ml tubes	16.5 mm
MSE4239	Rubber pad under 100/50/30/25 ml glass tube	0
MSE4245	Round Adaptor for round-bottom 5 x 1.5/2 ml Eppendorf tubes	11 mm
MSE4247	PP pad under 100 ml PP tube	0
MSE4275	Round Adaptor for round-bottom or skirted, conical-bottom 30 ml Sterilin tube	25.8 mm
MSE4277	Round Adaptor for skirted, conical-bottom 50 ml Greiner tube	30 mm
MSE4299	Round Adaptor without bottom for 28 ml Nalgene tube	25.6 mm
MSE4306	Round Adaptor without bottom for 15 ml Nalgene tube	13 mm
MSE4307	Rounc Adaptor without bottom for 15 ml Nalgene tube	17 mm
MSE4077C	Round Adaptor for 50 ml Falcon® tube and 50 ml Nalgene tube (MSE3251 bucket) or for 50ml Nalgene tube (MSE3252C bucket) with rubber pad MSE4239	30 mm
MSE4151C/A	Round Adaptor for round-bottom glass 100 ml tube with rubber pad MSE4239	45 mm
MSE4151C/B	Round Adaptor for round-bottom PP 100 ml tube with rubber pad 14196	45 mm
MSE4240C	Round Adaptor for 50 ml Falcon tube or Nalgene tube with rubber pad MSE4239	30 mm
MSE4241C	Round Adaptor for conical-bottom 30/25 ml tube with rubber pad MSE4239	25.5 mm
MSE4243C	Round Adaptor for rount-bottom or conical-bottom 50 ml tube with rubber pad MSE4239	35.5 mm
MSE4919C/A	Round Adaptor used with MSE4140 Adaptor for 5 ml Eppendorf snap cap or screw cap tube	0

SWING-OUT ROTOR

[illegible]

ANGLE ROTORS

ADAPTOR COMPATIBILITY

[illegible]

OUR RANGE OF MICRO & SMALL CENTRIFUGES



KESTREL

The Kestrel is a small compact non-refrigerated benchtop centrifuge capable of spinning 6 blood tubes at over 3000 x g. Reliable, compact and easy to use, the Kestrel centrifuge is the perfect addition to any medical environment where a small number of blood tubes need to be processed quickly and efficiently.



MICRO CENTAUR P

The Micro Centaur P is an improved version of the original Micro Centaur, adding new features and accessories. Its space-saving design and programmable features makes it an ideal choice for your laboratory.



MICRO CENTAUR R

One of the smallest microcentrifuges with the cooling option on the market. Ease of use, functionality and wide possibilities of centrifuge control ensure its rich spectrum of application possibilities, as well as versatility of use in many industries. The possibility to set the temperature of +4°C in less than 6 minutes works, among others, during requiring clinical examinations in medical, scientific, biochemical or veterinary laboratories.



HAWK R

The Hawk R is a refrigerated version of the Hawk and designed to be used in a wide variety of life science applications, especially biochemical and genetic research, with maximum g forces of up to 24,270 and maximum capacity of 4 x 100ml.

More than 80 years in the centrifuge industry
WARRANTY : 24 months of warranty + extended warranty
CUSTOMER ORIENTED : Immediate assistance to any inquires and claims
QUALITY : MSE products comply with all applicable safety regulations and are compliant with IVD. MSE manufactures according to the best quality management systems, including ISO 9001 and ISO 13485



Technical Data

Height (mm)	299 mm
Width (mm)	357 mm
Depth (mm)	451 mm
Weight (kg) 230V/120V	22 kg
Maximum capacity	500 ml
Maximum speed	Rotor 18 000 RPM Swing out rotor 24 270 x g
Maximum RCF	Rotor 24 270 x g Swing out rotor 2 504 x g
Timer	1 second to 99 hours 99 minutes 59 seconds, 1s step, or continuous
Noise output	≤60 dB
Number of acceleration rates	10
Number of brake rates	10
Min. acceleration time	9 s
Min. braking time	5 s
Number of programs	100
Display	Digital Led
Motor	Brushless induction drive
Safety features	Automatic lid lock, motor over-heat and over speed protection, rotor recognition, imbalance cut out, keypad lock, etc.
Temperature control range	Air cooled
Power	220 W
Power supply	230V, 8A, single phase, 50/60Hz 110V, 8A, phase, 50/60Hz
Catalogue number	230V, 50/60Hz MSB050. CX2.5 110V, 50/60Hz MSB050.CX2.1

All MSE centrifuges comply with the latest European safety and environmental standards.
Our centrifuges are also fully RoHS compliant.

