



Thermo Scientific KR4i Centrifuge

Multi-use, low-speed,
high-capacity centrifuge



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The Thermo Scientific KR4i centrifuge delivers outstanding performance in a refrigerated floor-standing unit. This versatile, compact centrifuge is ideal for high-throughput clinical applications, as well as genomics, proteomics and biochemistry research.



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Ultimate in Versatility

- Outstanding blood banking capabilities allow you to manufacture blood components quickly and cost effectively, with the ability to process up to 12 quin or quad blood bags with or without filters
- High-capacity rotors available for pharmaceutical, clinical, genomics, proteomics, biochemistry, pathology research, RIA and large-volume processing
- Offers three swing-out rotors, a wide selection of accessories and an unparalleled microplate capacity providing the ability to process up to 48 standard microplates or 12 to 18 deepwell microplates in a single run

Accurate and Dependable

- Provides lifetime reproducibility with guaranteed run-to-run feature
- Patented software delivers superior sample temperature control
- Available Thermo Scientific Centrifugation Quality Control System (CQCS) offers ISO 9000 and GLP/GMP traceability

Unparalleled Safety

- Built-in imbalance detection and shutdown capability
- Rotor options that are certified to IEC 1010-2-020 for biocontainment by CAMR* Porton Down
- Automatic rotor recognition prevents overspeed

**CAMR is now incorporated within the UK Health Protection Agency (HPA).*



Complete Data Management

With the embedded CQCS Network, our KR4i centrifuge provides the ultimate in traceability according to GLP, GMP and ISO 9000 standards. Full monitoring and search can be conducted on samples, runs, machines and operators. Up to 32 centrifuges can be integrated in a single network for the most demanding applications. Data is easily captured for automatic storage and processing by laboratory information management systems (LIMS).

Precision Performance

The KR4i centrifuge is easy to use and performs with precision. It features microprocessor-based parameter control and an advanced Thermo Scientific VIDEOset graphic control system that makes it easy to monitor operations. Advanced thin film technology offers superior temperature control to maintain sample integrity. Powerful refrigeration assures dependable results at full load, regardless of rotor or speed.

Blood Bank Applications

Proven reliability and exceptional operation has resulted in use of our KR4i in blood banks worldwide. Process up to 12 quin or quad blood bags, with filter options, all in a compact footprint. The KR4i is also available in a six bag system.



We offer a wide range of accessories and adapters that ensure simple and safe handling and exceptional versatility to accommodate a full range of blood processing products – from blood collection tubes to blood processing bags.



Thermo Scientific KR4i Rotors and Adapters



RP6 Windshield Swinging Bucket Rotor



RC6 Swinging Bucket Rotor



RP4 Windshield Swinging Bucket Rotor



RHK4B Diagnostic Rotor

Description	Capacity (place x ml)	Max. Tube Dimensions (mm)	Max. Speed (rpm)	Max. RCF (xg)	Cat. No.
RP6 Windshield Swinging Bucket Rotor					11178252
RP6 Windshield Swinging Bucket Rotor Lid					11178119
RC6 Swinging Bucket Rotor					11178254
RC6 Swinging Bucket Rotor Lid					11178111
Sealed Round Buckets (set of 6)	6 x 1000	98 x 180	4250	5735	11178135
Replacement Sealing Lids (each)					25144058
Unsealed Round Buckets (set of 6)	6 x 1000	98 x 180	4250	5735	11178136
37 x 3/5 ml Standard Tube	222 x 3/5	12.5 x 107			11178208
30 x 6 ml Standard Tube	180 x 6	13.5 x 107			11178210
20 x 5/7 ml Blood Collection Tube	120 x 5/7	13.5 x 150			11178211
19 x 10/15 ml Blood Collection Tube	114 x 10/15	17 x 150			11178212
12 x 15 ml Disposal Conical Tube	72 x 15	17 x 122			11178304
12 x 20 ml Standard Tube	72 x 20	22.2 x 148			11178306
5 x 50 ml Disposable Conical Tube	30 x 50	30 x 115			11178308
1 x 100 ml Universal Tube	12 x 100	45 x 150			11178310
1 x 250 ml Bottle	6 x 250	63 x 160			11178311
1 x 250 ml Disposable Conical Bottle	6 x 250	61 x 170			11178313
1 x 500 ml Bottle	6 x 500	70 x 171			11178312
1 x Quad/Triple Bag & 1000 ml Nalgene Bottle	6 x 550 or 6 x 1000				11178203
1 x Double Bag	6 x 550				11178108
1000 ml Nalgene Polypropylene Bottle	1000 ml	98 x 189			3120-1000
1000 ml Nalgene Polycarbonate Bottle	1000 ml	98 x 189			3122-1000
Sealed Rectangular Buckets (set of 6)*	12 x 250	63 x 125	4250	5392	11178140
Replacement Sealing Lids (each)*					11178216
Unsealed Rectangular Buckets (set of 6)*	12 x 250	63 x 125	4250	5392	11178138
20 x 1.5 ml Conical Microtube**	240 x 1.5	11 x 35			11175341
30 x 3/5 ml Standard Tube**	360 x 3/5	11 x 107			11175342
26 x 5 ml Standard Tube**	312 x 5	12.7 x 107			11175343
20 x 6 ml Standard Tube**	240 x 6	13.5 x 107			11175344
18 x 5/7 ml Blood Collection Tube**	216 x 5/7	13.5 x 107			11175345
12 x 5/10 ml Standard Tube**	144 x 5/10	17.5 x 112			11175347
12 x 10 ml Blood Collection Tube**	144 x 10	16.5 x 112			11175346
7 x 12 ml Flat Bottom Tube**	84 x 12	18 x 122			11175358
7 x 15 ml Disposable Conical Tube**	84 x 15	18 x 122			11175348
7 x 15 ml Blood Collection Tube**	84 x 15	16.5 x 127			11175349
4 x 15 ml Blood Collection Tube**	48 x 15	16.5 x 133			11175350
8 x 20 ml Standard Tube**	96 x 20	22.2 x 116			11175351
4 x 50 ml Tube**	30 x 50	30.5 x 122			11175353
3 x 50 ml Disposable Conical Tube**	36 x 50	30 x 117			11175354
1 x 100 ml Universal Tube**	12 x 100	45 x 132			11175355
1 x 250 ml Bottle**	12 x 250	63 x 125			11175356
1 x Microplate Carrier**	48 x Standard, 18 x Deepwell				11178190
5 Decanting Rubber Pads, 10.5-12.1 mm for 11175343 inserts (set of 4)					11175360
Oval Blood Bag Buckets (Set of 6)	12 x 550	Quad Bags	4250	5674	11178155
Liner for 550 ml Quin/Quad Blood Bags with 1 partition	12 x 550				11178156
Liner for 550 ml Quin/Quad Blood Bags without partition	12 x 550				11178157
Liner for 200 ml Blood Bags without partition	6 x 200				11178196
RP4 Windshield Swinging Bucket Rotor					11178250
RP4 Windshield Swinging Bucket Rotor Lid					11178073
Unsealed Rectangular Buckets (set of 4)	8 x 550		4250	5372	11178088
Liner for Quin/Quad/Triple Blood Bags with partition	8 x 550				11178158
Liner for Quin/Quad/Triple Blood Bags without partition	8 x 550				11178159
Liner for Quin/Quad Blood Bags with filter in line, 70 x 70 mm (set of 2)	8 x 500				11178170
Unsealed Round Buckets (set of 4)	4 x 1600	113 x 212			11178143
Insert, 1 x 1600 ml PC Bottle	4 x 1600	113 x 212			41193596
Insert, 1 x 1600 ml PP Bottle	4 x 1600	113 x 212			41193600
RHK4B Diagnostic Rotor	432 x 3				11178255
RIA Rectangular Buckets (set of 2)			3300	2300	11174023
Tray for use with LKB Racks (set of 2 x 15)	360 x 1.5	11.5 x 35			11178801
Nylon Insert, 11 x 50 m Tubes (set of 2)	66 x 55	31 x 110			11179472

*only for RP6 Rotor **2 inserts required per bucket



Indicates that the centrifuge accessory has been successfully tested for biological containment.



Thermo Scientific KR4i Centrifuge

Specifications	KR4i
Max Capacity	6 x 1000 ml bottles 12 quin or quad blood bags
Max RCF (x g)	7,300
Max Speed (rpm)	4,900
Speed Range (rpm/g)	500 to 4900 rpm/80 to 7300 x g
Acceleration Rates	10
Deceleration Rates	10
Temperature Range	-8° C to +40° C in 1° steps
Timer	1 sec to 99 min 59 sec/1 min to 99 hr 59 min + Hold
Control System	Microprocessor control, self diagnostics for servicing
Display	VIDEOset graphics(includes run graph) Info/Error messages in two languages
Program Memory	24, individual password
Drive	Direct
Motor	High-performance induction (brushless)
Integrator	0 to 999 x 10 ¹¹ m.rd ² s ⁻¹
Max Power	4500 VA
Dimensions H x W x D [mm (inches)]	945 x 780 x 900 (37.2 x 30.7 x 35.4)
Packed Dimensions H x W x D [mm (inches)]	1170 x 900 x 1020 (46 x 35.4 x 40.1)
Weight Net/Gross [kg (lb)]	346/380 (762/837)

Ordering Information	
Cat. No.	Description
11178162	KR4i refrigerated centrifuge, 208V-60 Hz, 25 A max, NEMA 6-30P
11178160	KR4i refrigerated centrifuge, 220-240V-50 Hz, 25 A max, NEMA 6-30P
11178410	BB-CQCS V3 from KR4i (1st centrifuge)
11178411	BB-CQCS V3 from additional KR4i
11178420	Bar Code Reader for PC
11178421	Bar Code Reader for Centrifuge

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