

HIGH-SPEED BENCHTOP REFRIGERATED CENTRIFUGE

PART NO. MTM-FH1850-U



- 7" HD touchscreen, easy and intuitive to operate
- Adopt airtight rotors to effectively prevent aerosol and liquid leakage
- Inverter compressor: eco-friendly, energy-saving, precise temperature control
- Built-in condensation sink and protection: prevent water buildup and corrosion
- 11 acceleration curves, 12 deceleration curves and customizable options prevent re-suspension for excellent centrifugal effect
- Multiple protections: overspeed, overtemperature, motor overheating, door self-locking, stainless steel inner sleeve, protective cover

SPECIFICATION












Rotational speed	18500RPM
Accuracy of speed	±10RPM
Relative centrifugal force	29302×g
Capacity	4×100ml
Temperature range	-20~40°C
Accuracy of temperature	±1°C
Timer range	1s~99min59s, 1min~99h59min
Timing mode	start timing, timing at rotational speed, continuous timing
Compressor unit	inverter compressor unit
Function	pre-cooling, jog, rotor identification
Overall noise	≤62dB(A)
Power supply	AC 110V, 60Hz, 1kW
Dimension (L×W×H)	25.98×14.96×12.99"
Net weight	136.69lb

STANDARD DELIVERY

Main unit	1 pc
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***OPTION SELECTION TABLE**

Selection procedure (main unit + rotor + adapter): 1. Select the rotor 2. Select the corresponding adapter if required

Part No. (rotor)	Capacity	Rotational speed	Relative centrifugal force	Adapter	Part No. (adapter)	
MTM-FH-P01	48×1.5/2.0ml	13000RPM	18525×g	0.2ml	MTM-FH-S01	 MTM-FH-P01
				0.5ml	MTM-FH-S02	
MTM-FH-P02	12×1.5/2.2ml	18500RPM	23797×g	0.2ml	MTM-FH-S03	 MTM-FH-P02
				0.5ml	MTM-FH-S04	
MTM-FH-P03	8×15ml (conical)	12000RPM	15364×g	5ml	MTM-FH-S05	 MTM-FH-P03
				10ml	MTM-FH-S06	
MTM-FH-P04	12×5ml	17000RPM	20345×g	0.5ml	MTM-FH-S07	 MTM-FH-P04
				1.5ml	MTM-FH-S08	
MTM-FH-P05	12×10ml	15000RPM	23120×g	1.5ml	MTM-FH-S09	 MTM-FH-P05
				5ml	MTM-FH-S10	
MTM-FH-P06	24×1.5/2.2ml	13000RPM	16816×g	0.2ml	MTM-FH-S11	 MTM-FH-P06
				0.5ml	MTM-FH-S12	
MTM-FH-P07	24×1.5/2.0ml	17500RPM	29302×g	0.2ml	MTM-FH-S13	 MTM-FH-P07
				0.5ml	MTM-FH-S14	
MTM-FH-P08	6×100ml	10000RPM	11960×g	5ml	MTM-FH-S15	 MTM-FH-P08
				10ml	MTM-FH-S16	
				15ml (conical)	MTM-FH-S17	
				15ml (circular)	MTM-FH-S18	
				25ml	MTM-FH-S19	
				50ml (conical)	MTM-FH-S20	
MTM-FH-P09	4×100ml	10000RPM	10744×g	5ml	MTM-FH-S22	 MTM-FH-P09
				10ml	MTM-FH-S23	
				15ml (conical)	MTM-FH-S24	
				15ml (circular)	MTM-FH-S25	
				25ml	MTM-FH-S26	
				50ml (conical)	MTM-FH-S27	
MTM-FH-P10	8×50ml (conical)	11000RPM	14100×g	1.5ml	MTM-FH-S29	 MTM-FH-P10
				5ml	MTM-FH-S30	
				10ml	MTM-FH-S31	
				15ml	MTM-FH-S32	
				20ml	MTM-FH-S33	
				25ml	MTM-FH-S34	
MTM-FH-P11	4×100ml	5000RPM	3773×g	4×3×10ml (blood collection tube)	MTM-FH-S36	 MTM-FH-P11
				4×1×15ml (conical)	MTM-FH-S37	
				4×1×50ml	MTM-FH-S38	
				4×1×15ml	MTM-FH-S39	
				4×1×50ml (conical)	MTM-FH-S40	




***OPTION SELECTION TABLE**

Selection procedure (main unit + rotor + adapter): 1. Select the rotor 2. Select the corresponding adapter if required

Part No. (rotor)	Capacity	Tubular specification	Rotational speed	Relative centrifugal force	Adapter	Part No. (adapter)	
MTM-FH-P12	6×50ml	Ø29×103mm	13000RPM	17938×g	1.5ml	MTM-FH-S41	 MTM-FH-P12
					5ml	MTM-FH-S42	
					10ml	MTM-FH-S43	
					20ml	MTM-FH-S44	
					25ml	MTM-FH-S45	
					30ml	MTM-FH-S46	
MTM-FH-P13	6×50ml (high-speed tube)	Ø31.2×105mm	12500RPM	16593×g	1.5ml	MTM-FH-S47	 MTM-FH-P13
					5ml	MTM-FH-S48	
					10ml	MTM-FH-S49	
					20ml	MTM-FH-S50	
					25ml	MTM-FH-S51	
					30ml	MTM-FH-S52	
MTM-FH-P14	6x50ml (conical)	Ø29×117mm	13000RPM	18365×g	1.5ml	MTM-FH-S53	 MTM-FH-P14
					5ml	MTM-FH-S54	
					10ml	MTM-FH-S55	
					20ml	MTM-FH-S56	
					25ml	MTM-FH-S57	
					30ml	MTM-FH-S58	
MTM-FH-P15	6x50ml (conical)	Ø29×117mm	12500RPM	16593×g	1.5ml	MTM-FH-S59	 MTM-FH-P15
					5ml	MTM-FH-S60	
					10ml	MTM-FH-S61	
					15ml (conical)	MTM-FH-S62	
					15ml (circular)	MTM-FH-S63	
					20ml	MTM-FH-S64	
					25ml	MTM-FH-S65	
					30ml	MTM-FH-S66	


***OPTION SELECTION TABLE**

Selection procedure (main unit + rotor)

Part No. (rotor)	Capacity	Rotational speed	Relative centrifugal force	
MTM-FH-P16	30×1.5/2.0ml	14000RPM	22140×g	 MTM-FH-P16
MTM-FH-P17	24 capillary tubes	13000RPM	17369×g	 MTM-FH-P17
MTM-FH-P18	6×8×0.2ml (PCR tube)	13000RPM	16020×g	 MTM-FH-P18

***OPTION SELECTION TABLE**

Selection procedure (main unit + rotor + ELISA plate): 1. Select the rotor 2. Select the ELISA plate if required

Part No. (rotor)	Capacity	Rotational speed	Relative centrifugal force	ELISA plate	Part No. (ELISA plate)	
MTM-FH-P19	2×2×96 wells	4000RPM	2200×g	2×2×96 (microplate)	MTM-FH-S67	 MTM-FH-P19
				2×1×96 (deep-well plate)	MTM-FH-S68	
				2×1×96 (filter plate)	MTM-FH-S69	

*The ELISA plate can be customized according to the work plate or PCR plate