

Centrifuge

- Compact, Small Footprint, Durable and High Performance
- Provides a Complete Set Including Rotor and Tube Adapters.
- Unbelievably Quiet Operation
- Patented Jog-Shuttle Control system and Digital LCD with Back-light (CF-10 model)

• Mini-Microcentrifuge Set	P. 30
• Pro-Microcentrifuge Set	P. 31
• Microcentrifuge Set	P. 32

❖ Mini Personal Centrifuge 5.000rpm



*CF-5 with 6 × 1,5 / 2,0ml
Tubes Rotor*

❖ Multipurpose Microcentrifuge 13.500rpm



*CF-20 with 12 × 0,2- / 0,5- / 1,5- / 2,0-ml
or -for 4- / 5- / 6- / 15-ml Tubes Rotor*

❖ High Performance Microcentrifuge 13.500rpm



*CF-10 with 12 × 1,5 / 2,0ml
Tubes Angle Rotor*

“witeg” WiseSpin® CF-5 High performance Mini-microcentrifuge Set, Max. 5.500 rpm, GMP Certi.
with Circular Fixed-Angle Rotor for 6 × 0,2/0,5/1,5/2,0 ml Tubes and Strip Rotor for 2 × 0,2ml PCR 8-tubes Strips/ 16 × 0,2ml PCR Tubes



2-Year Warranty Main Power Switch

Mini-microcentrifuge Set “CF-5” with Circular Fixed Angle Rotor



Operation Display LED Lamp



(1) Circular Fixed Angle Rotor
For 6 × 0,2-/0,5-/1,5-/2,0-ml Tubes



(2) Fixed Strip Rotor
For 2 × 0,2ml PCR 8-tube Strips or 16 × 0,2ml PCR Tubes



(3) Tube Adapter
6 × 0,2 -/ 0,5-ml Tube Adapter

- For Quick Spindown from Walls or Caps of Centrifuge Tubes
- Complete Set with Circular Fixed-Angle Rotor and Fixed Strip Rotor
- CE Certified

- * Plasmid, DNA and RNA work, and miniprep kit, and many other applications
- * Supplied with two Rotors :
 - **Circular Fixed-Angle Rotor** for 6 × 0,5- / 1,5- / 2,0-ml Tubes (6 × 0,2- / 0,5-ml tube Adapters included)
 - **Strip Rotor** for 2 × 0,2ml PCR 8-tubes Strips or 16ea of individual 0,2ml PCR Tubes
- * Smooth Opening of the Lid by Simply Pressing
- * ABS Material of Body and Rotor
- * Clear and Transparent PC(Polycarbonate) Lid
- * Operation Display LED Lamp
- * Lid-Activated On/Off Safety Switch : Close the Clear Lid to Start and Open to Stop

Specification

Model		Mini-microcentrifuge Set, “CF-5”
RPM & Max. RCF		Max. 5.500 rpm, 1.775 × g
Max. Capacity		6 × 0,5-/1,5-/2,0-ml tubes, 2 × 0,2ml PCR 8-tube Strip or 16 × 0,2ml PCR 8 Tubes
Rotor	Angle Rotor	6 Holes Circular Fixed-Angle Rotor for 0,5-/1,5-/2,0-ml Tubes
	Strip Rotor	16 Holes Strip Rotor for 0,2ml PCR 8-tube Strip or individual Tubes
Adapter		Included 6 × 0,2- / 0,5-ml Tube Adapter
Material		PC-Lid, ABS-Body, ABS-Rotor
Dimension (w × d × h)		178 × 150 × h109 mm
Packing Size & Gross Weight		200 × 180 × h175 mm, 2 kg
Power Consumption		8 W
Power plug type		Hybrid E+F
Power Supply*		AC 230V, 1N~, 50/60Hz

* Other Specifications are available upon Customer's Request.

Ordering Information

* Mini-microcentrifuge Set : Included Circular Fixed Angle Rotor for 6 × 0,2-/0,5-/1,5-/2,0-ml Tubes and Strip Rotor for 2 × 0,2ml PCR 8-tube Strips or 16 × 0,2ml PCR Tubes and 6 × 0,2-/0,5-ml Tube Adapters

DH.WCF00005 Mini-microcentrifuge Set, 230V, “CF-5”

Spare Rotor & Adapter Set

DH.WCF00105 (1) Circular Fixed Angle Rotor, “CFAR1512M”, for CF-5 for 6 × 0,2- / 0,5- / 1,5- / 2,0-ml Tubes

DH.WCF00205 (2) Fixed Strip Rotor, for “CF-5”, “CFPR8”, for 2 × 0,2ml PCR 8-tube Strips or 16 × 0,2ml PCR Tubes

DH.WCF00201 (3) 0,2ml Tube Adapter-sets, 6ea Adapter / 1set, for Circular Fixed Angle Rotor, “CFTA3”

DH.WCF00301 (3) 0,5ml Tube Adapter-sets, 6ea Adapter / 1set, for Circular Fixed Angle Rotor, “CFTA4”

✱ You will find matching tubes in our general catalogue on page : 372.

Cat. No	Description
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Articles

“witeg” WiseSpin® CF-10 High-Performance Pro-microcentrifuge Set, Max. 13.500rpm with Fixed Angle Rotor for 12×0,2-/0,5-/1,5-/2,0-ml Tubes, Compact, Quiet, Safety Electronic Lid Lock System, GMP Certi.

- Unbelievably Quiet Operation - Brushless DC motor
- High Performance - Digital Feedback Speed Control, Max. 13.500rpm, 12.225×g
- Useful Exclusive Spin Down Function
- Included Fixed Angle Rotor for 1,5-/2,0-ml × 12 Tubes and 12 × 0,2-/0,5-ml PCR Tube Adapters
- Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function
- CE Certified

- * Plasmid, DNA and RNA work, protein work, and miniprep kit, Cell Culture, cell harvesting, subcellular separations, and many other applications.
- * Unnecessary Rotor Lid for Running and Reducing Noise (≤ 57dB at Max. RPM).
- * Realize Extremely Compact Design with Exceptionally Small Footprint.
- * Acceleration and Braking Times are Lower than 15 sec (at Max. Speed).
- * Storage Function for the Set Values : RPM & Time.
- * Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be disabled).
- * Safety System for Motor Error.
- * Safety Electronic Lid Lock System : Opening Lid is not applicable during running.
- * Simple Operation for Repetitive use of 'Spin Down'Function.



High Performance Pro-microcentrifuge Set “CF-10”

Specification

Model	Pro-microcentrifuge Set, “CF-10”
RPM & Max. RCF	1.000~13.500 RPM , 12.225×g
Max. Capacity	0,2-/0,5-/1,5-/2,0-ml × 12 Tubes
Rotor	Included Fixed Angle Rotor for 0,2-/0,5-/1,5-/2,0-ml × 12 Tubes
Drive System	Brushless DC motor, Direct drive
Noise Level	≤57 dB
Acceleration & Braking Time	≤15 sec (at Max. speed)
Cooling Device	Air Cooling System
Timer & Alarm	99hr 59min (Continuous run), Error status & Timer-end
Display	Digital LCD Display with Back-Light Function
Controller	Digital Feedback Control with Jog- Shuttle Switch (Turn+Push)
Safety Circuit	Motor Error Detector, Electronic Safety Lid Lock System
Material	PC-Lid, Bodt-ABS, PC-Rotor
Dimension & Weight	170×226×h183 mm, 2.3 kg
Packing Size & Gross Weight	290×240×h220 mm, 5 kg
Power Consumption	90W
Power plug type	Hybrid E+F
Power Supply*	AC 230V, 1N~, 50/60Hz

* Other Specifications are available upon Customer’s Request.

Ordering Information

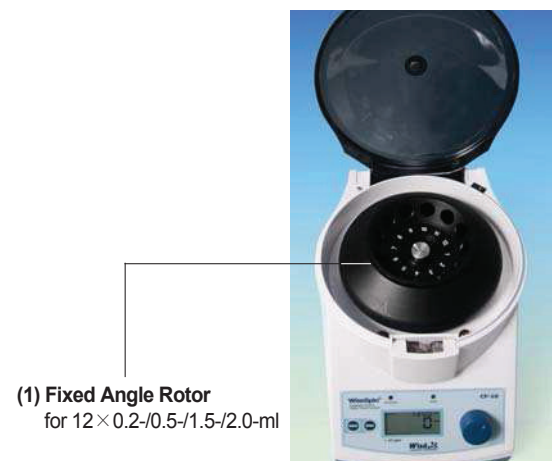
* Pro-microcentrifuge Set : Included Fixed Angle Rotor for 12×0.2-/0.5-/1.5-/2.0-ml Tubes and 12×0.2-/0.5-ml Tube Adapters

DH.WCF00010 Pro-microcentrifuge Set, 230V, “CF-10”

Spare Rotor & Adapter Set

- DH.WCF00100 Fixed Angle Rotor, “CFAR1512”, for CF-10, 12×0,2-/0,5-/1,5-/2,0-ml Tubes
- DH.WCF00200 0,2ml Tube Adapter-sets, 12ea Adapter/1set, for Fixed Angle Rotor, “CFTA1”
- DH.WCF00300 0,5ml Tube Adapter-sets, 12ea Adapter/1set, for Fixed Angle Rotor, “CFTA2”

※ You will find matching tubes in our general catalogue on page : 372.



(1) Fixed Angle Rotor for 12×0.2-/0.5-/1.5-/2.0-ml



(2) Tube Adapter
12×0.2/0.5ml Tube Adapter

“witeg” WiseSpin® CF-20 Multipurpose Microcentrifuge Set, Max. 6.000 or 13.500rpm
with Fixed Angle Rotor-for 24×0.2-/0.5-/1.5-/2.0-ml Tubes or -for 8×4-/5-/6-/15-ml Tubes, Rotor Auto Recognizing System



Multipurpose Microcentrifuge Set “CF-20”
with Fixed Angle Rotor

- **MultiPurpose Exchangeable Rotor :**
 - (1) **Fixed Angle Rotor** for 1,5- / 2,0-ml × 24 Tubes and 24 × 0,2-0,5-ml PCR Tube Adapters
 - (2) **Fixed Angle Rotor** for 4- / 5- / 6- / 15-ml × 8 Test Tubes, 15 ml × 4 Conical Tubes and 8 × 4- / 5- / 6-ml Tube Adapters
- **Rotor Auto Recognizing System - Optimized Operation at Replace Rotor**
- **Optimized Air Flow System - for Quiet Operation and Air Cooling**
- **Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function**
- **CE Certified**

- * Ideal for Medical Practice, Blood Collection, Plasmid, DNA and RNA Work, Protein work, and Miniprep kit, Cell Culture, Cell harvesting, Subcellular Separations, and many other applications.
- * High Performance Digital Feedback Speed Control
- * Unbelievably Quiet Operation : Chamber Sealling & Brushless DC motor
- * with Rotor Lid for Running and Reducing Noise (≤55~60dB at Max. RPM).
- * Safety Chucking System. * Safety System for Motor Error.
- * Acceleration and Braking Times are Lower than 15 sec (at Max. Speed).
- * Storage Function for the Set Values : RPM & Time.
- * Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled).
- * **Safety Electronic Lid Lock System** : Opening Lid is not Applicable during Running.
- * Simple Operation for Repetitive use of ‘Spin Down’ Function.

Specification

Model	(1) “CF-20M” Set	(2) “CF-20T” Set
Rotor	with Fixed Angle Rotor for Microcentrifuge Tubes	with Fixed Angle Rotor for Test Tubes
Max. Capacity	24 × 0,2-0,5-1,5-2,0-ml Tubes	8 × 4-/5-/6-/15-ml Test Tubes or 4 × 15 ml Conical Tubes
RPM Range & Max. RCF	1.000~13.500rpm, 12.225 × g	1.000~6.000rpm, 3.461 × g
Rotor Recognizing	Rotor Auto Recognizing System	
Drive System	Brushless DC motor, Direct Drive	
Noise Level	≤55 ~ 60 dB	
Acceleration & Braking Time	≤15 sec (at Max. speed)	
Cooling Device	Air Cooling System	
Timer & Alarm	99hr 59min (Continuous run), Error status & Timer-end	
Display	Digital LCD Display with Back-Light Function	
Controller	Digital Feedback Control with Jog -Shuttle Switch (Turn+Push)	
Safety Circuit	Motor Error Detector, Electronic Safety Lid Lock System	
Material	ABS-Lid, ABS-Body, PC-Rotor	
Dimension & Weight	230 × 280 × h180 mm, 2,7 kg	230 × 280 × h180 mm, 3,5 kg
Packing Size & Gross Weight	350 × 300 × h220 mm, 5,5 kg	
Power Consumption	90W	
Power plug type	Hybrid E+F	
Power Supply*	AC 230V, 1N~, 50/60Hz	

* Other Specifications are available upon Customer's Request.

Ordering Information

- * **“CF-20M” Set** : with Fixed Angle Rotor for 24 × 0,2- / 0,5- / 1,5- / 2,0-ml Tubes and 24 × 0.2- / 0.5-ml Tube Adapters
- * **“CF-20T” Set** : with Fixed Angle Rotor for 8 × 4-/5-/6-/15-ml Test Tubes/ 15ml Conical Tubes and 8 × 4- / 5- / 6-ml Tube Adapters

DH.WCF00020 Multipurpose Microcentrifuge Set, 230V, “CF-20M”
DH.WCF00022 , 230V, “CF-20T”

Optional Rotors & Adapters Set

- DH.WCF00120 (1) Fixed Angle Rotor, “CFAR20M”, for CF-20M, 24 × 0.2-0.5-1.5-2.0-ml Tubes
- DH.WCF00122 (2) Fixed Angle Rotor, “CFAR20T”, for CF-20T, 8 × 4-/5-/6-/15-ml Test Tubes or 4 × 15ml Conical Tubes
- DH.WCF00200 0.2ml Tube Adapter-sets, 24ea Adapter/1set, for Fixed Angle Rotor, “CFTA1”
- DH.WCF00300 0.5ml Tube Adapter-sets, 24ea Adapter/1set, for Fixed Angle Rotor, “CFTA2”
- DH.WCF00211 4ml Tube Adapter-sets, 8ea Adapter/1set, for Fixed Angle Rotor, “CFTA5”
- DH.WCF00311 5-/6-ml Tube Adapter-sets, 8ea Adapter/1set, for Fixed Angle Rotor, “CFTA6”



(1) **Fixed Angle Rotor**
For 24 × 0,2-/0,5-/1,5-/2,0-ml Tubes



(2) **Fixed Angle Rotor**
8 × 4- / 5- / 6- / 15-ml Test Tubes
or 4 × 15ml Conical Tubes



Tube Adapter

* You will find matching tubes in our general catalogue on page : 372.