

Центрифуга HiCen GR

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Уфа (347)229-48-12
Хабаровск (4212)92-98-04
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Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: hbd@nt-rt.ru || сайт: <https://herolab.nt-rt.ru/>

HiCen® GR for large Volumes, high Throughput and High-Speed-Centrifugation

➤ High-Speed Centrifuges with Flexible Axis!

- This provides the best smooth running.
- The separation of the own centering of the motor and the centering of the installed rotor protects the bearing of the entire drive system.
- Thus, your centrifuge will be maintenance free for a very long time.

Catalog No.	Description		Voltage	Phases	Hz
21 11 655	HiCen GR with Touch Screen, Standard for Europe	refrigerated	220-240 V	1	50 Hz
21 11 657	HiCen GR with Touch Screen	refrigerated	115 V	1	60 Hz
21 11 659	HiCen GR, with Touch Screen	refrigerated	208-230 V	1	60 Hz

- HiCen GR is movable on rollers.
- maximum capacity: **4 x 1.000 ml** with Swing-Out Rotor or Angle Rotor
- 13 angle rotors, 4 swing-out rotors
- speed: 300 – 17,500 rpm, in steps of 100 rpm
- g-force (RCF): 33,554 x g, in steps of 10 x g
- timer: Touch Screen display h, min, sec, HOLD for longer runs
- 9 acceleration and deceleration ramps
- maintenance free, brushless induction drive
- stainless steel chamber with additional inner guard ring
- overspeed detection, imbalance detection and cut-off
- Audible Signal in Case of Error
- Operating-Hours Indicator
- motorized lid lock, automatic lid opening, emergency lid lock release
- Touch screen display for both current and preset values of speed/g-force, time and temperature
- Password Protected Settings



Additional Options (against surcharge)

Cat. No.	Options
21 10 900	Water Cooling System (minimizes the heat output into the laboratory)
20 90 910	Inertgas (Nitrogen) Flushing
20 90 930	Password Protected Start
20 90 940	GLP Conform Data Management



Swing-out Rotors for

HiCen® GR

Cat. No.	Type	Max. Capacity	Max. Speed	Max. g-Force
20 97 100	AS 2.6	For 2 x 3 microplates, incl. 2 carriers for plates up to 80 mm high + 2 plate holders	5,000 rpm	3,075 x g
20 90 501	AS 4.500	4 x 500 ml, Basic rotor, buckets to be ordered separately		
20 90 540	carrier	For 4 x 4 microplates, Set of 4 carriers	4,000 rpm	2,719 x g
20 90 502	buckets	4 round buckets for 1 x 500 ml w/o. caps, resp. for adapters	5,200 rpm	5,290 x g
25 35 51	bottles	Bottles 500ml PPCO (98 x 114 mm) with caps, pack of 4 bottles		
20 90 550	Trunnion rings	4 x (7 x 50 ml F), Set of 4 trunnion rings with adapters	5,200 rpm	5,466 x g
20 90 551	Trunnion rings	4 x (14 x 15 ml F), Set of 4 trunnion rings with adapters	5,200 rpm	5,435 x g
20 70 060	AS 4.750	4 x 750 ml, Basic rotor incl. windshield, buckets to be ordered separately		
20 70 400	carrier	For 4 x 4 microplates, Set of 4 carriers	3,700 rpm	2,693 x g
20 70 300	buckets	4 round buckets for 1 x 750 ml each w/o. caps, resp. for adapters	3,500 rpm	2,903 x g
20 70 050	AS 4.1000	4 x 1000 ml, Basic rotor, buckets to be ordered separately		
20 70 400	carrier	For 4 x 4 microplates, Set of 4 carriers	3,700 rpm	2,693 x g
20 70 300	buckets	4 round buckets for 1 x 750 ml each w/o. caps, resp. for adapters	3,500 rpm	2,903 x g
20 70 200	buckets	4 round buckets for 1 x 1000 ml each w/o. caps, resp. for adapters	3,000 rpm	2,334 x g
20 70 950	caps	Caps for round buckets 750 ml or 1000 ml, (pack of 2 caps)		
20 70 650	Trunnion rings	4 x (8 x 50 ml F), Set of 4 rings for AS 4.1000	3,000 rpm	1,977 x g
20 70 615	Trunnion rings	4 x (19 x 15 ml F), Set of 4 rings for AS 4.1000	3,000 rpm	2,038 x g

Angle Rotors (with hermetically sealing lid)

HiGen® GR

Cat. No.	Type	Max. Capacity	Angle	Max. Speed	Max. g-Force
20 96 100	AF 24.2	24 x 1,5/2,2 ml	45°	16,000 rpm	28,620 x g
20 75 100	AF 72.2	72 x 1,5/2,2 ml	40 °	12,000 rpm	20,285 x g
20 94 100	AF 20.10	20 x 10 ml	25°	17,500 rpm	33,554 x g
20 26 100	AF 24.16	24 x 16 ml	28 °	14,500 rpm	25,904 x g
20 45 100	AF 12.30	12 x 30 ml	28°	15,000 rpm	26,790 x g
20 93 005	AF 8.50.1 Biosafe	8 x 50 ml	34°	15,000 rpm	27,167 x g
20 93 100	AF 8.50.2	8 x 50 ml	25°	16,000 rpm	27,476 x g
20 98 105	AF 8.50.3 Biosafe	8 x 50 ml Falcon	40°	13,500 rpm	21,191 x g
20 44 100	AF 12.50 Biosafe	12 x 50 ml	34°	12,000 rpm	20,929 x g
20 92 105	AF 6.94 Biosafe	6 x 94 ml	25°	16,500 rpm	29,829 x g
20 22 100	AF 6.250	6 x 250 ml	30°	10,500 rpm	17,873 x g
20 23 100	AF 6.500	6 x 500 ml	30°	9,000 rpm	13,946 x g
20 24 100	AF 4.1000	4 x 1000 ml	22°	6,000 rpm	6,774 x g

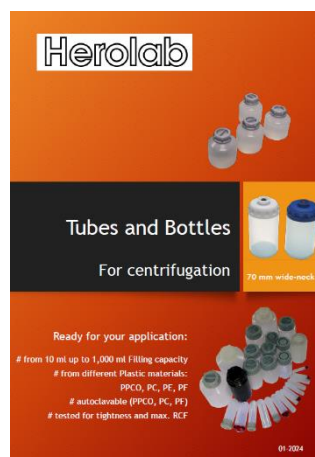
Cat. No. 20 93 005



Cat. No.. 20 22 100



Cat. No. 20 24 110



Specification

HiCen® GR

Catalog-No. (230V, 50/60 Hz, 1 Phase)	21 11 655
Maximum Capacity	4 x 1,000 ml
Maximum Speed	17,500 min ⁻¹
Max. g-Force/RCF (depending on rotor)	33,554 x g
Minimum Speed	> 300 min ⁻¹
Rotor Detection	APRI™ System = Automatic Positive Rotor Identification for Herolab rotors
Program Memory	50 programs
Display	Touch Screen Display for current and preset values
User Interface	Touch Screen Display
Preset Time	Touch Screen Display: h:min:sec, „HOLD“ for longer runs
Preset Speed	From 300 rpm up to max. speed with increments of 100 rpm
Preset g-Force/RCF	With increments of 10 x g
Drive System	Direct self-centering drive system with brushless induction motor
Speed Accuracy	Deviation less than 1 % (typical: 0.5 %)
Acceleration Time (depending on rotor)	30 sec. – 2.5 min.
Deceleration Time (depending on rotor)	40 sec. – 3.5 min.
Acceleration/Deceleration Rates	9 ramps in steps of 30 sec. from 0 to 240 sec. in the range of 0 – 1.000 rpm
Braking System	Dynamic electric brake system
Temperature Set Range	-20°C to +40°C with increments of 1°C
Cooling at Standstill	YES
Temperature Control Accuracy	±2°C on calibrated rotor
Temperature Control System	Bypass System
Sample Protection	±4°C to ±10°C from preset temperature
Overtemperature Protection	
1. Motor	YES
2. Rotor Chamber	YES
Refrigeration System	CFC-free refrigerant



Safety Features	Overspeed detection Imbalance detection and cut-off Four point lid fixing Automatic motor driven lid lock with emergency lid lock release Stainless steel chamber with additional inner guard ring
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Dimensions (W x D x H): in cm (in inches)	66,0 x 79,0 x 92,0 (26 x 31,1 x 36,2)
Shipping Dimensions in cm (in inches)	95,0 x 105,0 x 114,0 (37,4 x 41,3 x 44,9)
Net Weight	166 kg (366 lbs)
Gross Weight	199 kg (439 lbs)



WEEE-Reg. No.
DE66734561



Herolab

All products built by Herolab carry the CE sign. Herolab has its own quality management system according to ISO 9001.

Herolab reserves the right to change technical specifications without prior notice.

Tubes and Adapters for Rotors of *HiGen[®] GR*

for Rotors **AF 24.2 + AF 72.2**

Tubes	2.0-2.2 ml	1.5 ml	0.5-0.7 ml	0.25-0.4 ml	0.2 ml
Tubes Ø x Length (mm)	11/13 x 40	11/13 x 40	8/10 x 28-31	Ø 6 mm	PCR [®] Tubes
Material of Tubes + Herolab Cat. No.	Tubes not available from Herolab	Tubes not available from Herolab	Tubes not available from Herolab	Tubes not available from Herolab	Tubes not available from Herolab
Necessary Adapter	---	---			
Herolab Cat. No.	---	---	25 50 06	25 50 05	25 50 07
Tubes per Adapter / Rotor	- / 24 resp. 72	- / 24 resp. 72	1 / 24 resp. 72	1 / 24 resp. 72	1 / 24 resp. 72



Cat. No. 20 75 100



Cat. No. 25 24 01 / 11 / 41 / 51

Cat. No. 20 94 100



Cat. No. 20 96 100



for Rotor **AF 20.10**

Tubes	10 ml AOR	13.5 ml
Tubes Ø x Length (mm)	16 x 80	16 x 76
Material of Tubes + Herolab Cat. No.	PC: 25 24 01 PPCO: 25 24 11 PE: 25 24 41 PF: 25 24 51	PC: 25 24 80
Necessary Adapter	---	---
Herolab Cat. No.	---	---
Tubes per Adapter / Rotor	- / 20	- / 20



* Snap-on caps for 14 ml and 16 ml tubes available (Cat No. 25 45 50 / 25 45 51)



Cat. No. 25 27 00 / 20 / 40 / 51

Cat. No. 20 26 100



Cat. No. 25 29 51 / 61 / 65 / 71

for Rotor **AF 24.16**

Tubes	16 ml with rim	12/15 ml Glass	10 ml Glass	4.5 / 5 ml	3 ml Glass	1.5 ml
Tubes Ø x Length (mm)	18 x 100	18 x 102	13 x 100	12 x 75	10 x 75	11/13 x 40
Material of Tubes + Herolab Cat. No.	PC: 25 27 00* PPCO: 25 27 20* PE: 25 27 40* PF: 25 27 51*	Tubes not available from Herolab	Tubes not available from Herolab	PP: 25 22 30	Tubes not available from Herolab	Tubes not available from Herolab
Necessary Adapter	---					
Herolab Cat. No.	---	25 58 20	25 56 00	25 50 72	25 55 80	25 50 70
Tubes per Adapter / Rotor	- / 24	1 / 24	1 / 24	1 / 24	1 / 24	1 / 24



Cat.-or.
25 30 20 + 25 46 85

AF 12.30

30 ml AOR
25 x 92
PC: 25 29 51 PPCO: 25 29 61 PE: 25 29 65 PF: 25 29 71

- / 12

Tubes and Adapters for *HiCen®GR*

for Rotor **AF 8.50.1 + AF 8.50.2**

Tubes	50ml AOR	50 ml with rim	50 ml with cap	45 ml Glass	30 ml AOR	30 ml Glass	16 ml with rim	12/15 ml Glass
Tubes Ø x Length (mm)	29 x 103	29 x 103	29 x 103	28 x 102	25 x 92	24 x 105	18 x 100	18 x 102
Material of Tubes + Herolab Cat. No.	PC: 25 32 01 PPCO: 25 32 11 PE: 25 32 15 PF: 25 32 21	PC: 25 31 00 PPCO: 25 31 60 PE: 25 31 30 PF: 25 31 51	PC: 25 31 05 PPCO: 25 31 45	Tubes not available from Herolab	PC: 25 29 51 PPCO: 25 29 61 PE: 25 29 65 PF: 25 29 71	Tubes not available from Herolab	PC: 25 27 00 PPCO: 25 27 20 PE: 25 27 40 PF: 25 27 51	Tubes not available from Herolab
Necessary Adapter	---	---	---					
Herolab Cat. No.	---	---	---	25 58 00	25 50 61	25 55 60	25 50 50	25 55 50
Tubes per Adapter / Rotor	- / 8	- / 8	- / 8	1 / 8	1 / 8	1 / 8	1 / 8	1 / 8

Tubes	10ml AOR	10 ml Glass	10 ml Glass	4.5/5 ml	3 ml Glass	1.5 ml	1 ml
Tubes Ø x Length (mm)	16 x 80	18 x 102	13 x 100	12 x 75	10 x 75	11 x 40	7 x 50
Material of Tubes + Herolab Cat. No.	PC: 25 24 01 PPCO: 25 24 11 PE: 25 24 41 PF: 25 24 51	Tubes not available from Herolab	Tubes not available from Herolab	PP: 25 22 30	Tubes not available from Herolab	Tubes not available from Herolab	Tubes not available from Herolab
Necessary Adapter							
Herolab Cat. No.	25 50 30	25 55 40	25 55 30	25 50 11	25 55 10	25 50 10	25 50 00
Tubes per Adapter / Rotor	1 / 8	1 / 8	1 / 8	2 / 16	2 / 16	2 / 16	4 / 32



for Rotor **AF 8.50.3**

Tubes	50 ml Falcon	50ml AOR	50 ml with cap	30 ml AOR	15 ml Falcon
Tubes Ø x Length (mm)	29 x 118	29 x 103	29 x 103	25 x 92	17 x 122
Material of Tubes + Herolab Cat. No.	Tubes not available from Herolab	PC: 25 32 01 PPCO: 25 32 11 PE: 25 32 15 PF: 25 32 21	PC: 25 31 05 PPCO: 25 31 45	PC: 25 29 51 PPCO: 25 29 61 PE: 25 29 65 PF: 25 29 71	Tubes not available from Herolab
Necessary Adapter	---	---	---		
Herolab Cat. No.	---	25 53 82	25 53 82	25 50 62	25 53 80
Tubes per Adapter / Rotor	- / 8	1 / 8	1 / 8	1 / 8	1 / 8



Tubes and Adapters for *HiGen®GR* for Rotor **AF 6.250**

Tubes/Bottles	250 ml	250 ml	200ml	100/120 ml	80 ml AOR	50ml AOR	50 ml FALCON	30 ml Glass	16 ml with rim	15 ml FALCON	10 ml
Tubes Ø x Length (mm)	62 x 122	62 x 122	60 x 115	40 x 115	38 x 105	29 x 103	24 x 105	24 x 105	18 x 100	17 x 122	13 x 100
Material of Tubes + Herolab Cat. No.	PC: 25 34 01 PPCO: 25 34 21 PE: 25 34 31 PF: 25 34 39 PP black: 25 34 12	round bottom: PC: 25 34 41 PPCO: 25 34 45 PE: 25 34 47 PF: 25 34 49	Tubes not available from Herolab	100 ml: PC: 25 33 00	PC: 25 32 41 PPCO: 25 32 45 PE: 25 32 47 PF: 25 32 49	PC: 25 32 01 PPCO: 25 32 11 PE: 25 32 15 PF: 25 32 21	Tubes not available from Herolab	Tubes not available from Herolab	PC: 25 27 00 PPCO: 25 27 20 PE: 25 27 40 PF: 25 27 51	Tubes not available from Herolab	Tubes not available from Herolab
Necessary Adapter	---										
Herolab Cat. No.	---	25 51 90	25 58 10	25 51 70	On request	On request	25 51 75	25 51 60	25 51 30	25 51 35	25 51 10
Tubes per Adapter / Rotor	-	1 / 6	1 / 6	1 / 6	1 / 6	1 / 6	1 / 6	3 / 18	5 / 30	4 / 24	9 / 54
(Pack of 2 Adapters)		(pack of 6 pads)									

Tubes	4.5/5 ml	3 ml	1.5 ml
Tubes Ø x Length (mm)	12 x 75	10 x 75	11/13 x 40
Material of Tubes + Herolab Cat. No.	PP: 25 22 30	Tubes not available from Herolab	Tubes not available from Herolab
Necessary Adapter			
Herolab Cat. No.	25 51 00	25 50 90	25 52 10
Tubes per Adapter / Rotor	9 / 54	15 / 90	8 / 48



Cat. No. 25 34 01 / 21 / 31 / 39 / 12



Cat. No. 25 34 41 / 43 / 45 / 47 / 49



Cat. No. 20 22 100

for Rotor **AF 6.500**

Bottles	500 ml
Ø x Length (mm)	70 x 165
Material of Tubes + Herolab Cat. No.	PC: 25 35 01* PPCO: 25 35 21* PE: 25 35 31* PP black: 25 35 12*
Necessary Adapter	---
Herolab Cat. No.	- / 6
Tubes per Adapter / Rotor	



* For safety reasons always use 500 ml bottles with collar support ring. (Catalog No. 25 52 41)!



Cat. No. 25 35 65 / 75

Cat. No. 25 37 80

Cat. No. 25 37 50

Widemouth Bottle

** Use the Ø 98 mm bottles in fixed angle rotors for 98 mm Ø bottles only with cover including support ring. For rotors for 100 mm Ø bottles the stainless-steel cup 25 13 511 should be used as an adapter. Attention: Then pay attention to the total weight per bore! The 100 mm bottles are wide-mouth bottles with an opening of 70 mm.



Cat. No. 25 35 01 / 21 / 31 / 12

AF 4.1000

1000 ml
100 x 181
PPCO: 25 37 50**
98 x 175
Cap with Support Ring: PC: 25 35 65** PPCO: 25 35 75**
98 x 190
PPCO: 25 37 80**

- / 4



Cat. No. 20 24 100

Tubes and Adapters for *HiCen®GR*
for Rotor AF 6.94



Cat. No. 20 92 100

Cat. No. 25 32 42 / 45 / 47 / 49



Cat. No.
25 32 90 + 25 46 82

Adapter for tubes (38.5 ml),
17 ml, 13.5 ml, 6.5 ml and 4.4 ml
are available on request.

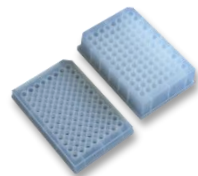


Cat. No.
25 30 20 + 25 46 85

94 ml	80 ml AOR
38 x 102	38 x 105
thick-walled PC: 25 32 80 PPCO: 25 32 60 thick-w. w. thread PC: 25 32 90	PC: 25 32 41 PPCO: 25 32 45 PE: 25 32 47 PF: 25 32 49
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---	---
- / 6	- / 6
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for Rotor AS 2.6

Plates	Microtiter Plates	Deepwell Plates
Total Height of Plates	up to 80 mm	up to 80 mm
Material of Tubes + Herolab Cat. No.	Plates not available from Herolab	Plates not available from Herolab
Necessary Adapter	---	---
Herolab Cat. No.	---	---
Tubes per Adapter / Rotor	- / 2-6	- / 2-4
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Cat. No. 20 97 105



Cat. No. 20 97 100

AS 4.750 + AS 4.1000
with set of Microtiter Plate carriers

Microtiter Plates	Deepwell Plates
up to 64 mm	up to 64 mm
Plates not available from Herolab	Plates not available from Herolab
---	---
---	---
- / 4-12	- / 4-8
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Cat. No. 20 70 400



Cat. No. 20 70 060



Cat. No. 20 70 050

Tubes and Adapters for *HiCen[®]GR*

for Rotor **AS 4.500**

Tubes/Bottles	500 ml	50 ml Falcon	15 ml Falcon
Tubes Ø x Length (mm)	98 x 114	29 x 118	17 x 122
Material of Tubes + Herolab Cat. No.	PPCO: 25 35 51 PPCO: 25 37 65 (98 x 112 / W70)	Tubes not available from Herolab	Tubes not available from Herolab
Necessary Adapter	---		
Herolab Cat. No.	---	20 90 530	20 90 535
Tubes per Adapter / Rotor	- / 4	5 / 20	8 / 32
(Pack of 2 Adapters)	---		

Cat. No. 20 90 501 + 20 90 511
+ 20 90 530 + 20 90 535



Cat. No. 20 70 060



Kat.-Nr. 25 34 01 / 21 / 31 / 39 / 12



Cat. No.
25 32 01 / 11
25 32 15 / 21

Cat. No.
25 31 05 / 45

Cat. No.
25 29 51 / 61
25 32 65 / 71



Cat. No. 20 22 100

Tubes and Adapters for *HiGen®GR*



Kat.-Nr. 25 35 62 / 72

Kat.-Nr. 25 35 80 / 81



Kat.-Nr. 20 70 200

Kat.-Nr. 20 70 300

for Rotor **AS 4.750 + AS 4.1000**
with set of round buckets for bottles or adapters

Tubes/Bottles	1000 ml	750 ml	500 ml	250 ml	250 ml	100 ml	50 ml Falcon
Tubes Ø x Length (mm)	98 x 175	98 x 152	70 x 165	62 x 122	Ø 63	40 x 115	29 x 118
Material of Tubes + Herolab Cat. No.	PC: 25 35 62 PPCO: 25 35 72 PPCO: 25 37 85 (98 x 173 / W70)	PC: 25 35 80 PPCO: 25 35 81 PPCO: 25 37 70 (98 x 136 / W70)	PC: 25 35 01* PPCO: 25 35 21* PE: 25 35 31* PP black: 25 35 12*	PC: 25 34 01 PPCO: 25 34 21 PE: 25 34 31 PF: 25 34 39 PP black: 25 34 12	Conical bottles Bottles not available from Herolab	PC: 25 33 00	Tubes not available from Herolab
Necessary Adapter	Can only be used in 1000 ml buckets No. 20 70 200 of rotor AS 4.1000 directly	Can only be used in 750 ml buckets No. 20 70 300 of rotor AS 4.1000 directly					
Herolab Cat. No.	---	---	20 70 210	20 70 220	20 70 215	20 70 225	20 70 230
Tubes per Adapter / Rotor	- / 4	- / 4	1 / 4	1 / 4	1 / 4	3 / 12	5 / 20

* For safety reasons always use 500 ml bottles with cover support ring (Cat. No. 25 52 41)!



Tubes	50ml AOR	50 ml with rim	50 ml with cap	30 ml AOR	15ml	15 ml Falcon	10ml AOR
Tubes Ø x Length (mm)	29 x 103	29 x 103	29 x 103	25 x 92	17 x 87/119	17 x 122	16 x 80
Material of Tubes + Herolab Cat. No.	PC: 25 32 01 PPCO: 25 32 11 PE: 25 32 15 PF: 25 32 21	PC: 25 31 00 PPCO: 25 31 60 PE: 25 31 30 PF: 25 31 51	PC: 25 31 05 PPCO: 25 31 45	PC: 25 29 51 PPCO: 25 29 61 PE: 25 29 65 PF: 25 29 71	Tubes not available from Herolab	Tubes not available from Herolab	PC: 25 24 01 PPCO: 25 24 11 PE: 25 24 41 PF: 25 24 51
Necessary Adapter							
Herolab Cat. No.	20 70 235			20 70 240	20 70 250	20 70 245	20 70 255
Tubes per Adapter / Rotor	7 / 28			8 / 32	18 / 72	12 / 48	20 / 80

Tubes	7 ml	7 ml	5 ml	0.5 ml
Tubes Ø x Length (mm)	Ø 13.5	Ø 16.5	Ø 13.5	Ø 9.5
Material of Tubes + Herolab Cat. No.	Tubes not available from Herolab	Tubes not available from Herolab	Tubes not available from Herolab	Tubes not available from Herolab
Necessary Adapter				
Herolab Cat. No.	20 70 260	20 70 265	20 70 270	20 70 275
Tubes per Adapter / Rotor	32 / 128	21 / 84	35 / 140	60 / 240

Cat. No. 25 35 01 / 21 / 31 / 12

Cat. No. 25 34 01 / 21 / 31 / 39 / 12



Cat. No. 25 32 01 / 11 / 15 / 21 + 25 31 05 / 45 / 00 / 60 / 30 / 51



Cat. No. 25 32 01 / 11
25 32 15 / 21

Cat. No. 25 31 00 / 60
25 31 30 / 51



Cat. No. 25 31 05 / 45

Cat. No. 25 29 51 / 61
25 32 65 / 71

Herolab Tubes for Rotors of *HiGen® GR*

Cat. No.	Description	Ø x Length (mm)	Pieces/Pack
25 22 30	Tubes 4.5 ml PP-RB	12 x 75	1000
25 24 01	Tubes 10 ml PC-AOR with screw cap	16 x 80	10
25 24 11	Tubes 10 ml PPCO-AOR with screw cap	16 x 80	10
25 24 41	Tubes 10 ml PE-AOR with screw cap	16 x 80	10
25 24 51	Tubes 10 ml PF-AOR with screw cap	16 x 80	2
25 24 60	Tubes 13.5 ml PPCO-RB	16 x 76	10
25 24 80	Tubes 13,5 ml PC thick-walled UC, 16 x 76 mm	16 x 76	50
25 24 90	Tubes 13,5 ml PC thick-walled with thread UC, 16 x 76 mm	16 x 76	50
25 25 60	Tubes 14 ml PC-RB	18 x 75	10
25 27 00	Tubes 16 ml PC-RB/FL	18 x 100	10
25 27 20	Tubes 16 ml PPCO-RB/FL	18 x 100	10
25 27 40	Tubes 16 ml PE-RB/FL	18 x 100	10
25 27 51	Tubes 16 ml PF-RB/FL	18 x 100	2
25 29 51	Tubes 30 ml PC-AOR with screw cap	25 x 92	10
25 29 61	Tubes 30 ml PPCO-AOR with screw cap	25 x 92	10
25 29 65	Tubes 30 ml PE-AOR with screw cap	25 x 92	10
25 29 71	Tubes 30 ml PF-AOR with screw cap	25 x 92	2
25 30 20	Tubes 38.5 ml PC thick-walled with thread UC	25 x 89	50
25 30 40	Tubes 38.5 ml PC thick-walled UC	25 x 89	50
25 30 50	Tubes 38.5 ml PPCO thin-walled UC	25 x 89	50
25 30 60	Tubes 38.5 ml PPCO thick-walled UC	25 x 89	50
25 31 00	Tubes 50 ml PC-RB/FL	29 x 103	10
25 31 05	Tubes 50 ml PC-RB/FL with Loop Cap	29 x 103	10
25 31 30	Tubes 50 ml PE-RB/FL	29 x 103	10
25 31 45	Tubes 50 ml PPCO-RB/FL with Loop Cap	29 x 103	10
25 31 51	Tubes 50 ml PF-RB/FL	29 x 103	2
25 31 60	Tubes 50 ml PPCO-RB/FL	29 x 103	10
25 32 01	Tubes 50 ml PC-AOR with screw cap	29 x 103	10
25 32 11	Tubes 50 ml PPCO-AOR with screw cap	29 x 103	10
25 32 15	Tubes 50 ml PE-AOR with screw cap	29 x 103	10
25 32 21	Tubes 50 ml PF-AOR with screw cap	29 x 103	2
25 32 41	Tubes 80 ml PC-AOR with screw cap	38 x 105	10
25 32 45	Tubes 80 ml PPCO-AOR with screw cap	38 x 105	10
25 32 47	Tubes 80 ml PEC-AOR with screw cap	38 x 105	10
25 32 49	Tubes 80 ml PF-AOR with screw cap	38 x 105	2
25 32 50	Tubes 94 ml PP-RB	38 x 106	10
25 32 60	Tubes 94 ml PPCO thick-walled UC	38 x 102	25
25 32 80	Tubes 94 ml PC thick-walled UC	38 x 102	25
25 32 90	Tubes 94 ml PC thick-walled with thread UC	38 x 102	25
25 33 00	Tubes 100 ml PC-RB/G	40 x 115	2
25 33 10	Tubes 120 ml PP-RB	40 x 115	10
25 34 01	Bottles 250 ml PC-FB with screw cap	62 x 122	6
25 34 12	Bottles 250 ml PP black FB with screw cap	62 x 122	6
25 34 21	Bottles 250 ml PPCO-FB with screw cap	62 x 122	6
25 34 31	Bottles 250 ml PE-FB with screw cap	62 x 122	6
25 34 39	Bottles 250 ml PF-FB with screw cap	62 x 122	2
25 34 41	Bottles 250 ml PC-RB with screw cap	62 x 122	6
25 34 43	Bottles 250 ml PP-RB with screw cap	62 x 122	6
25 34 45	Bottles 250 ml PPCO-RB with screw cap	62 x 122	6
25 34 47	Bottles 250 ml PE-RB with screw cap	62 x 122	6
25 34 49	Bottles 250 ml PF-RB with screw cap	62 x 122	2
25 34 81	Bottles 290 ml PC-FB with screw cap	62 x 137	6
25 34 87	Bottles 290 ml PE-FB with screw cap	62 x 137	6
25 35 01	Bottles 500 ml PC-FB with screw cap	70 x 165	6
25 35 12	Bottles 500 ml PP black-FB with screw cap	70 x 165	2
25 35 21	Bottles 500 ml PPCO-FB with screw cap	70 x 165	6
25 35 31	Bottles 500 ml PE-FB with screw cap	70 x 165	6

25 35 51	Bottles 500 ml PPCO-FB with screw cap (for AS 4.500 only)	98 x 114	4
25 35 62	Bottles 1000 ml PC-FB with screw cap	98 x 175	4
25 35 65	Bottles 1000 ml PC-FB with screw cap with neck support ring	98 x 175	4
25 35 72	Bottles 1000 ml PPCO-FB with screw cap	98 x 175	4
25 35 75	Bottles 1000 ml PPCO-FB with screw cap with neck support ring	98 x 175	4
25 35 80	Bottles 750 ml PC-FB with screw cap	98 x 152	4
25 35 81	Bottles 750 ml PPCO-FB with screw cap	98 x 152	4
25 37 50	Bottle 1.000 ml, PPCO, wide mouth of 70 mm, including Sealing Screw Cover with Handle	100 x 181	4
25 37 80	Bottles 1000 ml PPCO-FB with sealing cap	98 x 190	4
25 45 50	Snap-on Caps for Tubes 14 ml and 16 ml (except for PE)		10
25 45 51	Snap-on Caps for Tubes 14 ml and 16 ml PE		10
25 46 82	Screw cap, aluminum, for UC tubes 94 ml		1
25 46 85	Screw cap, aluminum, for UC tubes 38,5 ml		1
25 52 41	Support ring for bottles 500 ml		6



UC	Ultra Centrifuge Tubes	PPCO	Polypropylene Copolymer
AOR	Advanced Oak Ridge	CB	Conical Bottom
PC	Polycarbonate	FB	Flat Bottom
PE	Polyethylene	RB	Round Bottom
PF	Polyflor®	FL	Flange (Rim)

Herolab reserves the right to change technical specification and prices without prior notice.



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Россия +7(495)268-04-70

Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47