accuSpin 3

- **Large three-liter capacity**
- **Speeds to 15,000rpm (21,890xG) 3R**
- **Microprocessor control with touch keypad**
- **LED digital display**
- **Automatic rotor recognition**
- **Load imbalance detection**
- **Four-program memory**
- **Programmable accel./decel. profiles (nine each)**
- **Sixteen standard microplate capacity with optional swinging bucket rotor**
- **Space-saving, low-profile design**
- **Soft lid-closing mechanism**
- **Quiet, maintenance-free brushless motor**
- **Quick-run feature for short spins**

Large-volume workhorses

With a hefty 3L capacity and the ability to accommodate a wide variety of sample tubes and bottles, accuSpin 3 and refrigerated accuSpin 3R offer versatility for your lab's changing needs.

They're loaded with advanced features for safe, simple operation—including a four-program memory, nine start/stop profiles, load imbalance detection, and automatic rotor recognition. And they are designed with a low profile that makes loading, unloading, or changing rotors convenient and easy.

Count on your accuSpin centrifuge to deliver reliable, consistent performance, day after day, year after year.

accuSpin 3R

accuSpin 3 and 3R Specifications

Drive	Brushless induction drive
Control	Microprocessor controlled; touch keypad
Speed range	Model 3: 300–4,150rpm (adjustable in 10rpm increments) Model 3R: 300–15,000rpm (adjustable in 10rpm increments)
Max. RCF	Model 3: 3,700xG, Model 3R: 21,890xG
Max. capacity	4 x 750mL (or 4 x 4 microplates)
No. of decel./accel. profiles	9/9
Program memory	Four plus one pretemp program
Functions	RCF preselection, quick-run, automatic rotor recognition and imbalance detection
Dimensions (L x W x H)	accuSpin 3: 26 1/4 x 21 3/4 x 14 1/4 in. (67 x 55 x 26cm) Working height: 12 1/2 in. (32cm) accuSpin 3R: 26 1/4 x 28 3/4 x 14 1/4 in. (67 x 73 x 36cm) Working height: 12 1/2 in. (32cm)
Weight	accuSpin 3: 196 lb. (89kg) accuSpin 3R: 288 lb. (131kg)
Run time	0–9 hrs., 59 min., continuous operation
Temperature range (AccuSpin 3R)	–9° to +40°C, CFC-free refrigerant
Design	Steel chassis with armored chamber
Safety	Lid lock and lid interlock (two automatic lid locks)

Ordering Information

Model	Cat. No.
accuSpin 3 (120V, 60Hz)	**13-100-517**
accuSpin 3R (120V, 60Hz)	**13-100-516**

When ordering a swinging bucket rotor...be sure to order your rotor, buckets, lids, and adapters! (all sold separately)

Four-Place Swinging Bucket Rotor and Accessories

Rotor Body Cat. No. 13-100-518

Bucket Type	Round	Rectangular	Microplate Carrier
Max. bucket capacity	1 x 750mL	1 x 250mL	4 plates
Max. rotor capacity	4 x 750mL	4 x 250mL	4 x 4 plates
Max. speed	4,150rpm	3,750rpm	4,150rpm
Max. RCF	3,700xG	2,990xG	3,060xG
Min. temp at max. speed (3R only)	2°C	2°C	0°C
Max. radius	192mm	190mm	159mm
Biocontainment lids (pair)	**13-100-520**	**13-100-522**	n/a
Cat. No.	**13-100-519**	**13-100-521**	**13-100-523**

Adapters for Swinging Bucket Rotor 13-100-518 with Round Buckets 13-100-519

Volume (mL)	1.5/2	7	5/7	14/15	15	10/15	15	25	45/50	50	50	100	150/180	175/200/225
Tubes per adapter	48	35	19	12	12	17	19	7	7	5	4	2	1	1
Tubes per rotor	192	140	76	48	48	68	76	28	28	20	16	8	4	4
Tube type[1]	ML	STD	BL	FL	CON	BL	STD	STD	PYR	CON	STD	STD	BOT	BOT
Max. tube L (mm)[2]	42	122	122	125	120	122	122	125	123	120	125	125	132	140
Max. tube Ø (mm)	11	12.8	13.5	18.3	16.5	17	17	25	29.5	29.5	34.5	45	56.5	62
Max. cap Ø (mm)	13	14	18.5	21.5	23.5	20	18.5	31	31	35.5	39	47.5	56.5	75
Adapter color[3]	BL	Y	LGY	BR	OB	W	R	OR	UB	LG	G	B	GR	W
Adapter Cat. No. (13-100-xxx)	**542**	**541**	**540**	**539**	**538**	**537**	**536**	**535**	**534**	**533**	**532**	**531**	**530**	**529**
Adapter shape[4]	F/C	F/R	F/R	F/R	F/C	F/R	F/R	F/R	F/R	F/C	F/C	F/C	F/C	F

Adapters for Swinging Bucket Rotor 13-100-518 with Rectangular Bucket 13-100-521

Volume (mL)	1.5/2	7	5/7	14/15	15	10/15	25	25/50	45/50	50	50	100	155/180	250
Tubes per adapter	56	28	20	9	9	16	6	4	4	4	3	1	1	1
Tubes per rotor	224	112	80	36	36	64	24	16	16	16	12	4	4	4
Type of tube[1]	ML	STD	BL	FL	CON	STD/BL	STD	STD	PYR	CON	STD	STD	STD	BOT
Max. length of tube (mm)[2]	42	113	113	115	120	112	114	115	115	117	113	118	115	120
Max. tube Ø (mm)	11	12.8	14	18.3	16.5	17	25	25.5	29.5	29.5	34.5	45	56.5	62
Max. cap Ø (mm)	13	14	17.5	25	24	19	28	32	35	35.5	38	66	66	63
Adapter color[3]	BL	Y	LGY	BR	OB	R	OR	BG	UB	LG	G	B	GB	BL
Adapter Cat. No. (13-100-xxx)	**556**	**555**	**554**	**553**	**552**	**551**	**550**	**549**	**548**	**547**	**546**	**545**	**544**	**543**
Adapter shape[4]	F/C	F/R	F/R	F/R	F/C	F/R	F/R	F/R	F/R	F/C	F/R	F/R	F/R	F

[1] *ML = microliter tube; STD = standard borosilicate glass tubes; BL = blood collection tube; FL = flanged tube; CON = conical tissue culture tube; PYR = round bottom Pyrex glass; BOT = bottle.*
[2] *Max. tube length when biocontainment lid is used.*
[3] *BL = black; Y = yellow; LGY = light gray; BR = brown; OB = olive brown; W = white; R = red; OR = orange; UB = ultramarine blue; LG = light green; G = green; B = blue; GR = gray; BG = blue-green; GB = gray-blue.*
[4] *F = flat; C = conical; R = round.*

24-Place Fixed-Angle Rotor

Cat. No.	**13-100-524**
Angle	45°
Max. speed	15,000rpm(3R only)
Max. RCF	21,890xG (3R only)
Max. capacity	24 x 1.5/2.0mL
Min. temp. at max. speed	4°C
Max./min. radius	87/59mm
Special features	biocontainment approved, autoclavable

Adapter Sets for Fixed-Angle Rotor 13-100-524

For Tubes	No. per Package	Color	Cat. No.
For 0.5/0.6mL microliter tubes	24	Turquoise	**13-100-512**
For 0.25/0.4mL microliter tubes	24	Red	**13-100-513**
For 0.2mL PCR† tubes	24	Gray	**13-100-514**