



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

<b>Drive</b>	Brushless induction drive
<b>Control</b>	Microprocessor controlled; touch keypad
<b>Speed range</b>	Model 3: 300–4,150rpm (adjustable in 10rpm increments) Model 3R: 300–15,000rpm (adjustable in 10rpm increments)
<b>Max. RCF</b>	Model 3: 3,700xG, Model 3R: 21,890xG
<b>Max. capacity</b>	4 x 750mL (or 4 x 4 microplates)
<b>No. of decel./accel. profiles</b>	9/9
<b>Program memory</b>	Four plus one pretemp program
<b>Functions</b>	RCF preselection, quick-run, automatic rotor recognition and imbalance detection
<b>Dimensions (L x W x H)</b>	accuSpin 3: 26 <sup>1</sup> / <sub>4</sub> x 21 <sup>3</sup> / <sub>4</sub> x 14 <sup>1</sup> / <sub>4</sub> in. (67 x 55 x 26cm) Working height: 12 <sup>1</sup> / <sub>2</sub> in. (32cm) accuSpin 3R: 26 <sup>1</sup> / <sub>4</sub> x 28 <sup>3</sup> / <sub>4</sub> x 14 <sup>1</sup> / <sub>4</sub> in. (67 x 73 x 36cm) Working height: 12 <sup>1</sup> / <sub>2</sub> in. (32cm)
<b>Weight</b>	accuSpin 3: 196 lb. (89kg) accuSpin 3R: 288 lb. (131kg)
<b>Run time</b>	0–9 hrs., 59 min., continuous operation
<b>Temperature range (AccuSpin 3R)</b>	–9° to +40°C, CFC-free refrigerant
<b>Design</b>	Steel chassis with armored chamber
<b>Safety</b>	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 <sup>1</sup>	ML	STD	BL	FL	CON	BL	STD	STD	PYR	CON	STD	STD	BOT	BOT
Max. tube L (mm) <sup>2</sup>	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 <sup>3</sup>	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 <sup>4</sup>	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	4	3	1	1
Tubes per rotor	224	112	80	36	36	64	24	16	16	16	16	12	4	4
Type of tube <sup>1</sup>	ML	STD	BL	FL	CON	STD/BL	STD	STD	PYR	CON	STD	STD	STD	BOT
Max. length of tube (mm) <sup>2</sup>	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 <sup>3</sup>	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 <sup>4</sup>	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

<sup>1</sup> 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.

<sup>2</sup> Max. tube length when biocontainment lid is used.

<sup>3</sup> 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.

<sup>4</sup> 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 <sup>†</sup> tubes	24	Gray	13-100-514