

Superspeed Rotors

# Thermo Scientific SH-3000 Rotor



## ROTOR SPECIFICATIONS

<b>Type</b>	Swinging Bucket
<b>Material</b>	Aluminum
<b>Capacity</b>	4 x 750 mL
<b>Maximum Speed</b>	4,700 rpm
<b>Maximum Sample Density</b>	1.2 g/mL
<b>Tube Dimensions Ø x L</b>	98 x 135 mm
<b>Angle</b>	90°
<b>K Factor</b>	8,138
<b>Net Weight</b>	6.0 kg/13.2 lbs
<b>Warranty</b>	10 years
<b>Certifications</b>	

	RCF	RADIUS
<b>Maximum</b>	4,575 xg (Buckets) 3,706 xg <sup>1</sup> (Microplate Carriers)	185.4 mm (Buckets) 150.2 mm (Microplate Carriers)
<b>Minimum</b>	3,411 xg (Buckets)	91.1 mm (Buckets)

## ROTOR AND ACCESSORIES ORDERING INFORMATION

### SH-3000 Rotor Package includes:

Description	Cat. No.
SH-3000 Rotor	11796
750 mL Buckets (2 sets of 2)	11788
Rotor Extractor	01031
Instruction Manual	11782

### Accessories:

Description	Cat. No.
Sealing Covers for 750 mL Buckets <sup>2</sup>	11776
Sealing Cover O-rings (qty. 6)	12995

## LABWARE ORDERING INFORMATION

Tube Vol. (mL)	Vol. Fill (mL)	Description	Cat. No.	Qty. /Pkg.	Tubes /Rotor	Max. Speed (rpm)	Max. RCF (xg)	Dims ØxL (mm)	REQUIRED TUBE CLOSURES, ADAPTERS, TOOLS & ACCESSORIES			
									Type	Cat. No.	Qty. /Pkg.	Description
750.0	750.0	PP Bottle	75003699	12	4	4,700	4,575	98 x 135	Closure	Included	12	PP Sealing
500.0	-	Conical Tissue Culture Bottle	-	-	4	-	-	96 x 146	Adapter	Available from bottle manufacturer	1	1 place/adaptor
250.0	250.0	PP Oak Ridge Bottle	3141-0250	36	4	4,700	4,575	61 x 133	Closure Adapter	Included 01092	36 1	PP Sealing 1 place/adaptor
250.0	250.0	PC Oak Ridge Bottle	3140-0250	36	4	4,700	4,575	62 x 135	Closure Adapter	Included 01092	36 1	PP Sealing 1 place/adaptor

Refer to manufacturer's recommendations for product performance information, including cycle limits and chemical compatibility limitations.

Biocontainment certification by the Public Health England, Porton Down, UK, shown to be suitable for use with materials up to ACDP Category 3 as categorized by the Advisory Committee on Dangerous Pathogens.

<sup>1</sup> Maximum g-force rating of microplate varies depending upon manufacturer. Verify correct maximum speed/g-force before use.

<sup>2</sup> The rotor/cover assembly has been tested for microbiological containment by PHLS-CAMR-Porton Down. Suitable for use with materials up to ACDP category 3. Seal integrity may be affected by improper use or maintenance.

## LABWARE ORDERING INFORMATION CONTINUED

Tube Vol. (mL)	Vol. Fill (mL)	Description	Cat. No.	Qty. /Pkg.	Tubes /Rotor	Max. Speed (rpm)	Max. RCF (xg)	Dims ØxL (mm)	REQUIRED TUBE CLOSURES, ADAPTERS, TOOLS & ACCESSORIES			
									Type	Cat. No.	Qty. /Pkg.	Description
250.0	280.0	PP Dry-Spin Bottle	03069	12	4	4,700	4,575	61 x 146	Closure	Included	4	PP Sealing
									Closure	06841	12	Replacement Caps
									Closure	03545	24	Replacement O-Rings
250.0	270.0	PC Dry-Spin Bottle	03098	12	4	4,700	4,575	61 x 146	Adapter	01092	1	1 place/adapter
									Closure	Included	4	PP Sealing
									Adapter	01092	1	1 place/adapter
200.0	200.0	Nunc Tissue Culture Conical Bottle	03094	4	4	4,700	4,575	60 x 135	Closure <sup>3</sup>	06841	12	Replacement Caps
									Closure <sup>3</sup>	03545	24	Replacement O-Rings
									Sealing Adapter	–	1	1 place/adapter
175.0	175.0	PP Conical Culture Bottle	3143-0175	36	4	4,700	4,575	62 x 144	Adapter	03095	1	1 place/adapter
									Closure	Included	36	PP Sealing
									Adapter	DS3126-0175	1	1 place/adapter
175.0	175.0	PC Conical Culture Bottle	3144-0175	36	4	4,700	4,575	62 x 144	Closure	Included	36	PP Sealing
									Adapter	DS3126-0175	1	1 place/adapter
									Closure	03545	24	Replacement O-Rings
175.0	175.0	PS Sterile Conical Culture Bottle	3145-0175	12	4	4,700	4,575	62 x 144	Closure	Included	4	PP Sealing
									Adapter	01092	1	1 place/adapter
									Adapter	DS3126-0175	1	1 place/adapter
150.0	144.0	PC Thick-Walled Tube	03143	25	4	4,700	4,575	45 x 132	Adapter	01092	1	1 place/adapter
									Adapter	00458	1	1 place/adapter
									Closure	Included	–	PP Non-Sealing
100.0	100.0	GL Pyrex™ Tube	03230	1	4	3,000	1,864	44 x 137	Adapter <sup>4</sup>	00371	1	1 place/adapter
									Adapter <sup>4</sup>	01092	1	1 place/adapter
									Adapter <sup>5</sup>	00436	1	5 places/adapter
50.0	–	Conical Tissue	–	–	12	–	–	30 x 115	Adapter <sup>5</sup>	00445	1	3 places/adapter
50.0	37.0	PP Flanged Tube	03147	25	20	4,000	3,313	29 x 102	Closure	03268	25	PP Snap-on
									Adapter	00894	1	5 places/adapter
									Adapter	00894	1	Non-Sealing
50.0	36.0	PC Flanged Tube	03146	25	20	4,000	3,313	29 x 102	Closure	03268	25	PP Snap-on
									Adapter	00894	1	5 places/adapter
									Adapter	00894	1	5 places/adapter
50.0	46.0	PA Thin-Walled Tube	03139	25	20	4,700	4,575	28 x 104	Adapter	00894	1	5 places/adapter
									Closure	Included	10	FEP Sealing
									Adapter	00894	1	5 places/adapter
50.0	50.0	PP Oak Ridge Tube	3119-0050	100	20	4,700	4,575	29 x 107	Closure	Included	100	PP Non-Sealing
									Adapter	00894	1	5 places/adapter
									Closure	Included	100	PP Non-Sealing
50.0	50.0	PC Oak Ridge Tube	3118-0050	100	20	4,700	4,575	61 x 146	Adapter	00894	1	5 places/adapter
									Closure	Included	100	PP Non-Sealing
									Closure	Included	50	PP Sealing
50.0	43.0	PC Nalgene Oak Ridge Tube	3138-0050	50	20	4,700	4,575	29 x 107	Closure	Included	50	PP Sealing
									Closure	Included	50	PP Sealing
									Closure	Included	50	PP Sealing
50.0	50.0	SS Flanged Tube	00517	1	20	4,700	4,575	28 x 101	Closure	00518	1	Stainless Steel Sealing
									Adapter	00894	1	5 places/adapter
									Tool	01014	1	Wrench
16.0	13.0	PP Flanged Tube	03244	50	48	4,700	–	18 x 100	Closure	03299	50	PP Snap-On
									Adapter	00892	1	12 places/adapter
									Closure	03299	50	PP Snap-On
16.0	14.0	PC Flanged Tube	03243	50	48	4,700	–	18 x 100	Adapter	00892	1	12 places/adapter
									Closure	03299	50	PP Snap-On
									Adapter	00892	1	12 places/adapter
15.0	–	Conical Tissue Culture Tube	–	–	32	–	–	17 x 120	Adapter	00447	1	8 places/adapter
15.0	–	Blood Collection Tube	–	–	72	–	–	16 x 127	Adapter	00385	1	18 places/adapter
14.0	11.0	PP Flanged Tube	03247	50	20	4,700	4,575	18 x 75	Closure	03269	50	PP Snap-On
									Adapter	00894	1	5 places/adapter
									Adapter	75003026	1	–

Refer to manufacturer's recommendations for product performance information, including cycle limits and chemical compatibility limitations.

<sup>3</sup> Replacement part. Not required for use.

<sup>4</sup> Both adapters must be used together.

<sup>5</sup> Both adapters will accommodate skirted and standard conical tissue culture tubes. With sealed covers, use adapter cat. no. 00445.

## LABWARE ORDERING INFORMATION CONTINUED

Tube Vol. (mL)	Vol. Fill (mL)	Description	Cat. No.	Qty. /Pkg.	Tubes /Rotor	Max. Speed (rpm)	Max. RCF (xg)	Dims ØxL (mm)	REQUIRED TUBE CLOSURES, ADAPTERS, TOOLS & ACCESSORIES			
									Type	Cat. No.	Qty. /Pkg.	Description
14.0	11.0	PC Flanged Tube	03246	50	48	4,700	4,575	18 x 75	Closure	03269	50	PP Snap-On
									Adapter	00892	1	12 places/adapter
12.0	12.0	GL Pyrex Tube	03109	50	20	4,700	4,575	18x102	Adapter	00894	1	5 places/adapter
										75003026	5	–
12.0	10.0	PP Flanged Tube	03116	50	72	4,700	4,575	16 x 100	Closure	03266	50	PP Nonsealing
									Adapter	00385	1	18 places/adapter
12.0	11.0	PC Flanged Tube	03115	50	72	4,700	4,575	16 x 100	Closure	03266	50	PP Nonsealing
									Adapter	00385	1	18 places/adapter
10.0	–	Blood Collection Tube	–	–	72	–	–	16 x 100	Adapter	00385	1	18 places/adapter
10.0	9.1	PP Oak Ridge Tube	03929	50	20	4,700	4,575	16 x 80	Closure	03279	25	PP Sealing
									Adapter	00894	1	5 places/adapter
										00402	5	–
10.0	9.1	PP Oak Ridge Tube	03020	25	20	4,700	4,575	16 x 80	Closure	03279	25	PP Sealing
									Adapter	00894	1	5 places/adapter
										00402	5	–
10.0	–	Blood Collection Tube	–	–	88	–	–	13 x 100	Adapter	00384	1	22 places/adapter
7.0	6.0	PP Flanged Tube	03121	50	88	4,700	4,575	13 x 100	Closure	03265	50	PP Snap-On
									Adapter	00384	1	22 places/adapter
7.0	6.0	PC Flanged Tube	03120	50	88	4,700	4,575	13 x 100	Closure	03265	50	PP Snap-On
									Adapter	00384	1	22 places/adapter
5.0	–	GL Standard Tube	–	–	132	–	–	12 x 75	Adapter	00857	1	33 places/adapter
5.0	–	Blood Collection Tube	–	–	132	–	–	13 x 75	Adapter	00857	1	33 places/adapter
5.0	5.0	GL Pyrex Tube	03102	50	132	4,700	4,575	12 x 75	Adapter	00857	1	33 places/adapter
4.0	–	GL Standard Glass Tube	–	–	132	–	–	10 x 75	Adapter	00857	1	33 places/adapter
4.0	3.0	PP Flanged Tube	03105	50	132	4,700	4,575	11 x 75	Closure	03264	50	PP Snap-On
									Adapter	00857	1	33 places/adapter
4.0	3.0	PC Flanged Tube	03104	50	132	4,700	4,575	10 x 75	Adapter	00857	1	33 places/adapter
3.0	3.0	GL Pyrex Tube	03100	50	132	4,700	4,575	10 x 75	Adapter	00857	1	33 places/adapter
1.5	1.5	High Speed Conical Microtube	314352H01	100	8	4,700	4,575	11 x 40	Adapter <sup>4</sup>	00857	1	33 places/adapter
									Adapter <sup>4</sup>	04871	1	33 places/adapter

Refer to manufacturer's recommendations for product performance information, including cycle limits and chemical compatibility limitations.

<sup>4</sup> Both adapters must be used together.

<sup>5</sup> Must use with adapter cat. no. 00894. Order one for each place.

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