



ROTOR SPECIFICATIONS

Type	Swinging Bucket
Material	Aluminum
Capacity	4 x 250 mL
Maximum Speed	7,500 rpm
Tube Dimensions Ø x L	70.7 x 130.8 ¹ mm
Angle	90°
K Factor	3912.0
Net Weight	10.8 kg/23.8 lbs
Warranty	7 years

	RCF	RADIUS
Maximum	10,836 xg	172.3 mm
Average	7,681 xg	122.5 mm
Minimum	4,536 xg	72.2 mm

ROTOR AND ACCESSORIES ORDERING INFORMATION

		SORVALL RC-6 Plus Series	THERMO SCIENTIFIC SORVALL Evolution RC Series	SORVALL RC-5 Plus Series
HS-4	Max. Speed	7,500 rpm	7,500 rpm	7,000 rpm
	Max. RCF	10,836 xg	10,836 xg	9,430 xg

HS-4 Rotor Package includes:

Description	Cat. No.
HS-4 Rotor	38018
Rotor Cover Assembly	38011
Rotor Extractor	01047
Instruction Manual	38028

Accessories:

Description	Cat. No.
Rotor Buckets (qty. 4) ²	00479
4-Place Carrier for 50 mL Tubes (qty. 1)	00480
3-Place Carrier for Conical Tubes (qty. 1)	00481
24-Place Carrier for 5 mL Tubes (qty. 1)	00482

LABWARE ORDERING INFORMATION (250 mL Round Bucket)

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	200.0	PA Oak Ridge Bottle ³	314250H01	4	4	7,500	108,258	60 x 120	Closure	314249H01	1	Sealing Lids
250.0	250.0	Nalgene™ PP Oak Ridge Bottle	3141-0250	36	4	7,500	108,258	61 x 135	Closure	Included	36	PP Sealing Lids
250.0	250.0	Nalgene PC Oak Ridge Bottle	3140-0250	36	4	7,500	10,826	61 x 135	Closure	Included	36	PP Sealing Lids
15.0	15.0	PP Round Bottom Tube	—	—	20	7,500	108,258	18 x 120	Adapter	00456	1	5 places/adapter

*This rotor model has been replaced by the Thermo Scientific SH-3000 rotor.

¹ Maximum tube dimension will vary depending on bucket/carrier.

² Carriers and buckets must be ordered separately.

³ Bottles must be run at full capacity.

LABWARE ORDERING INFORMATION (250 mL Round Bucket) 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
12.0	12.0	PP Flanged Tube	03116	50	28	7,500	10,826	16 x 100	Closure Adapter	03266 00389	50 1	PP Snap-on Lids 7 places/adapter
12.0	12.0	PC Flanged Tube	03115	50	28	7,500	10,826	16 x 100	Closure Adapter	03266 00389	50 1	PP Snap-on Lids 7 places/adapter
5.0	6.0	Pyrex™ Tube	03102	50	48	5,000	4,811	12 x 75	Adapter	00388	1	12 places/adapter
4.0	4.0	PP Flanged Tube	03105	50	48	7,500	10,826	11 x 75	Closure Adapter	03264 00388	50 1	PP Snap-on Lids 12 places/adapter
4.0	4.0	PC Flanged Tube	03104	50	48	7,500	10,826	11 x 75	Closure Adapter	03264 00388	50 1	PP Snap-on Lids 12 places/adapter
4.0	—	Standard Glass Tube	—	—	48	—	—	10 x 75	Adapter	00388	1	12 places/adapter
3.0	3.0	Pyrex Tube	03100	50	20	5,000	4,811	10 x 75	Adapter Adapter	00370 00456	1 1	1 place/adapter 5 places/adapter

LABWARE ORDERING INFORMATION CONTINUED (4-Place Carrier for 50 mL Tubes)

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
50.0	46.0	PP Flanged Tube	03147	25	16	7,500	10,826	29 x 102	Closure	03268	25	PP Snap-on Lids
50.0	46.0	PC Flanged Tube	03146	25	16	7,500	10,826	29 x 102	Closure	03268	25	PP Snap-on Lids
50.0	56.0	PA Thin-Walled Tube	03139	25	16	7,500	10,826	28 x 104	—	—	—	—
50.0	41.0	PP Oak Ridge Tube	03530	25	16	7,500	10,826	28 x 103	Closure Closure	03535 03926	25 25	PP Sealing Lids PP Non-Sealing Lids
50.0	50.0	Nalgene PP Oak Ridge Tube	3139-0050	50	16	7,500	10,826	29 x 114	Closure	Included	50	PP Sealing Lids
50.0	50.0	Nalgene PC Oak Ridge Tube	3138-0050	50	16	7,500	10,826	29 x 115	Closure	Included	50	PP Sealing Lids
50.0	46.0	Nalgene FEP Oak Ridge Tube	3114-0050	10	16	7,500	10,826	29 x 107	Closure	Included	10	FEP Sealing Lids
50.0	50.0	Nalgene PP Oak Ridge Tube	3119-0050	100	16	7,500	10,826	29 x 107	Closure	Included	100	PP Screw Top Non-Sealing Lids
50.0	50.0	Nalgene PC Oak Ridge Tube	3118-0050	100	16	7,500	10,826	29 x 107	Closure	Included	100	PP Screw Top Non-Sealing Lids
50.0	—	Stainless Steel Flanged Tube	00517	1	16	7,500	10,826	28 x 101	Closure Tool	00518 01014	1 1	Stainless Steel Sealing Lid Sealing Wrench
50.0	—	Stainless Steel Tube	00579	1	16	7,500	10,826	28 x 101	Closure Tool	00518 01014	1 1	Stainless Steel Sealing Lid Sealing Wrench
30.0	23.0	PP Oak Ridge Tube	314349	25	16	7,500	10,826	25 x 94	Closure Tool Adapter	314347 314353 75003027	1 1 1	Aluminum Sealing Cap Tube Removal Tool 1 place/adapter
30.0	23.0	PC Oak Ridge Tube ⁴	314348	25	16	7,500	10,826	25 x 94	Closure Tool Adapter	314347 314353 75003027	1 1 1	Aluminum Sealing Cap Tube Removal Tool 1 place/adapter
16.0	16.0	PP Flanged Tube	03244	50	16	7,500	10,826	18 x 100	Closure Adapter	03299 75003026	50 1	PP Snap-on Lids 1 place/adapter
16.0	17.0	PC Flanged Tube	03243	50	16	7,500	10,826	18 x 100	Closure Adapter	03299 75003026	50 1	PP Snap-on Lids 1 place/adapter
15.0	—	PP Round Bottom Tube	—	—	16	—	—	18 x 120	Adapter	00363	1	1 place/adapter
12.0	14.0	Pyrex Tube	03109	50	16	5,000	4,811	18 x 102	Adapter	00363	1	1 place/adapter
12.0	12.0	PP Flanged Tube	03116	50	16	7,500	10,826	16 x 100	Closure Adapter	03266 00402	50 1	PP Snap-on Lids 1 place/adapter
12.0	12.0	PC Flanged Tube	03115	50	16	7,500	10,826	16 x 100	Closure Adapter	03266 00402	50 1	PP Snap-on Lids 1 place/adapter
10.0	9.1	PP Oak Ridge Tube	03929	50	16	7,500	10,826	16 x 83	Closure Adapter	03279 75003024	25 1	PP Sealing Lids 1 place/adapter

⁴ Tubes must be run at full capacity.

LABWARE ORDERING INFORMATION (4-Place Carrier for 50 mL Tubes) 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
10.0	9.7	PC Oak Ridge Tube	03020	25	16	7,500	10,826	16 x 83	Closure	03279	25	PP Sealing Lids
									Adapter	75003024	1	1 place/adapter
10.0	—	Pyrex Tube	—	—	16	—	—	13 x 100	Adapter	00363	1	1 place/adapter
7.0	7.0	PC Flanged Tube	03120	50	16	7,500	10,826	13 x 100	Closure	03265	50	PP Snap-on Lids
									Adapter	00473	1	1 place/adapter
7.0	7.0	PP Flanged Tube	03121	50	16	7,500	10,826	13 x 100	Closure	03265	50	PP Snap-on Lids
									Adapter	00473	1	1 place/adapter
4.0	4.0	PP Flanged Tube	03105	50	32	7,500	10,826	11 x 75	Closure	03264	50	PP Snap-on Lids
									Adapter	75003023	1	2 places/adapter
4.0	4.0	PC Flanged Tube	03104	50	32	7,500	10,826	11 x 75	Closure	03264	50	PP Snap-on Lids
									Adapter	75003023	1	2 places/adapter
3.0	3.0	Pyrex Tube	03100	50	20	5,000	48,115	10 x 75	Adapter	00364	1	2 places/adapter
1.5	1.5	Conical Microtube	314352H01	100	32	7,500	10,826	11 x 40	Adapter	75003029	1	2 places/adapter
1.5	—	Microtube	—	—	32	—	—	—	Adapter	75003029	1	2 places/adapter

LABWARE ORDERING INFORMATION CONTINUED (3-Place Carrier for Conical Tubes)

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
50.0	—	Conical Tissue Culture Tube	—	—	12	—	—	43 x 123	—	—	—	—
15.0	—	Conical Tissue Culture Tube	—	—	12	—	—	17 x 120	Adapter	11148	1	1 place/adapter

LABWARE ORDERING INFORMATION CONTINUED (24-Place Carrier for 5 mL Tubes)

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
5.0	6.0	Pyrex Tube	03102	50	96	5,000	48,115	12 x 75	—	—	—	—

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