

# SORVALL® MICRO-ULTRACENTRIFUGE ROTORS

ROTOR	MAXIMUM SPEED (rpm)	MAXIMUM RCF <sup>1</sup>	K FACTOR <sup>2</sup>	MAXIMUM RADIUS (cm)	CAPACITY (ml)		TUBE ANGLE	APPLICATION NOTES	PAGE NO.
					PLACES x VOLUME	TOTAL			
<b>FIXED-ANGLE</b>									
S150-AT	150,000	899,744	6.1	3.58	8 × 2	16	30°	Small volume; protein, virus and DNA isolation.	A-47
S120-AT2	120,000	649,826	8.2	4.04	10 × 2	20	30°	Small volume; protein, virus and DNA isolation.	A-48, 49
S120-AT3	120,000	649,826	7.8	4.04	14 × 0.5	7	30°	Multiple, micro-sample pelleting; lipoprotein flotation.	A-50, 51
RP100-AT3	100,000	435,630	7.0	3.90	20 × 0.2	4	30°	Multiple, micro-sample pelleting; analytical isolation of lipoproteins.	A-52
RP100-AT4	100,000	540,628	15.9	4.84	6 × 3.5	21	30°	Small volume; protein, virus and DNA isolation; microtubes.	A-53
S100-AT3	100,000	435,630	7.0	3.90	20 × 0.2	4	30°	Multiple, micro-sample pelleting; analytical isolation of lipoproteins.	A-54
S100-AT4	100,000	540,628	15.9	4.84	6 × 3.5	21	30°	Small volume; protein, virus and DNA isolation; microtubes.	A-55
S100-AT5	100,000	549,564	18.8	4.92	8 × 5.1	40.8	28°	General ULTRACENTRIFUGE pelleting and gradient separations.	A-56
S100-AT6	100,000	603,180	17.6	5.40	8 × 5.1	40.8	30°	General ULTRACENTRIFUGE pelleting and gradient separations.	A-57
RP80-AT2	80,000	357,440/ 303,824	13.5/16.5	5.00/4.25	30 × 0.5	15	30°	Multiple, micro-sample pelleting; lipoprotein flotation.	A-58
S80-AT2	80,000	357,440/ 303,824	13.5/16.5	5.00/4.25	30 × 0.5	15	30°	Multiple, micro-sample pelleting; lipoprotein flotation.	A-59
S80-AT3	80,000	414,630	23.1	5.80	8 × 8.3	66.4	30°	General ULTRACENTRIFUGE pelleting and gradient separations.	A-60
RP70-AT	70,000	307,052	30.6	5.61	20 × 0.5	10	30°	Multiple, micro-sample pelleting; lipoprotein flotation.	A-61
S70-AT	70,000	307,052	30.6	5.61	20 × 0.5	10	30°	Multiple, micro-sample pelleting; lipoprotein flotation.	A-62
RP45-A	45,000	124,858	66.6	5.52	12 × 1.5	18	45°	Multiple, micro-sample pelleting; lipoprotein flotation.	A-63
S45-A	45,000	124,858	66.6	5.52	12 × 1.5	18	45°	Multiple, micro-sample pelleting; lipoprotein flotation.	A-64
<b>VERTICAL</b>									
RP120-VT	120,000	500,237	7.8	3.11	8 × 2	16	0°	Small volume isopycnic banding; CsCl/DNA isolation.	A-65
S120-VT	120,000	500,237	7.8	3.11	8 × 2	16	0°	Small volume isopycnic banding; CsCl/DNA isolation.	A-66
RP100-VT	100,000	399,886	9.4	3.58	8 × 2	16	0°	Small volume isopycnic banding; CsCl/DNA isolation.	A-67
<b>SWINGING-BUCKET</b>									
RP55-S	55,000	258,826	43.7	7.66	4 × 2.2	8.8	—	Isolation of RNA and subcellular particles on gradients.	A-68
S55-S	55,000	258,826	43.7	7.66	4 × 2.2	8.8	—	Isolation of RNA and subcellular particles on gradients.	A-69

<sup>(1)</sup>RCF calculated for maximum rotor radius.

<sup>(2)</sup>Calculated for unsealed tubes in Fixed-Angle and Swinging-Bucket rotors, and for sealed tubes in Vertical rotors.

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