

L-Type Rapid cryostat platform

Configurations	0P55	1P36	2P36	2P55	3P55
ADR cooling units	0	1	2	2	3
Sample platform	Puck 55	Puck 36	Puck 36	Puck 55	Puck 55
Turnaround time	< 2 h	3 h	3 h	4 h	4.5 h
Cooldown to base	< 1.5 h	< 2.5 h	< 2.5 h	< 3.5 h	< 4 h
Warmup and puck exchange	< 0.5 h	< 0.5 h	< 0.5 h	< 0.5 h	< 0.5 h
Base temperature	< 3.0 K	< 150 mK	< 150 mK	< 100 mK	< 50 mK
(expected)	(2.8 K)	(100 mK)	(100 mK)	(90 mK)	(40 mK)
Continuous operation	> 3.0 K	> 3.2 K	> 200 mK	> 200 mK	> 100 mK
(expected)	(2.8 K)	(3 K)	(150 mK)	(150 mK)	
Hold time at base	continuous	> 3 h	> 5 h	> 5 h	> 5 h
(expected)		(4 h)	(6 h)	(6 h)	(6 h)
Sample Space					
Diameter	55 mm	36 mm	36 mm	55 mm	55 mm
Height	117 mm	100 mm	100 mm	117 mm	117 mm
DC wiring (twisted-pair lines)	48	36	36	48	48
RF wiring (< 18 GHz)	up to 12	0	0	up to 12	up to 12

*Specifications are guaranteed with wiring, standard options, and integrations.