

L-Type Rapid cryostat platform

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

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