

## 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              |
| <b>Turnaround time</b>                     | < 2 h              | 3 h                  | 3.5 h                | 4.5 h               | 5.5 h                |
| Cooldown to base                           | < 1.5 h            | < 2.5 h              | < 3 h                | < 4 h               | < 5 h                |
| Warmup and puck exchange                   | < 0.5 h            | < 0.5 h              | < 0.5 h              | < 0.5 h             | < 0.5 h              |
| <b>Base temperature<br/>(expected)</b>     | < 3.0 K<br>(2.8 K) | < 150 mK<br>(100 mK) |                      | < 100 mK<br>(90 mK) | < 50 mK<br>(40 mK)   |
| <b>Continuous operation<br/>(expected)</b> | < 3.0 K<br>(2.8 K) | < 3.0 K<br>(2.8 K)   | < 200 mK<br>(150 mK) |                     | < 150 mK<br>(100 mK) |
| <b>Hold time at base<br/>(expected)</b>    | continuous         | > 3 h<br>(4 h)       | > 5 h<br>(6 h)       |                     | > 3 h<br>(4 h)       |
| <b>Sample Space</b>                        |                    |                      |                      |                     |                      |
| Diameter                                   | 55 mm              | 36 mm                | 36 mm                | 55 mm               | 55 mm                |
| Height                                     | 100 mm             | 100 mm               | 100 mm               | 100 mm              | 100 mm               |
| <b>DC wiring (twisted-pair lines)</b>      | 48                 | 36                   | 36                   | 48                  | 48                   |
| <b>RF wiring (&lt; 18 GHz)</b>             | up to 12           | 0                    | 0                    | up to 12            | up to 12             |

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