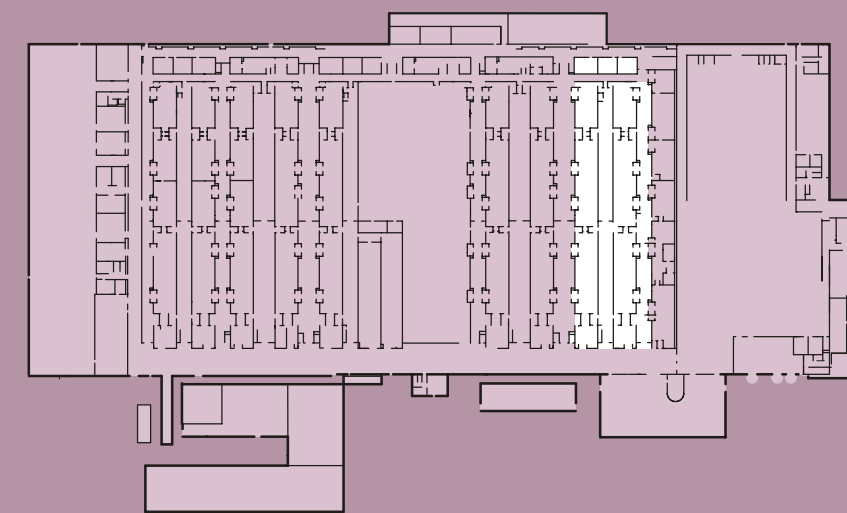


EXISTING FITTED LABS

FLEXIBILITY TO INNOVATE

At RFL, all lab areas are accessible through ante rooms to both clean and waste corridors, conveniently located either side of the lab lines. Each line is designed to optimise linear end-to-end workflows, comprised of four separate biological laboratories. Separate power, lighting and heating/cooling to each lab line brings the reassurance of enhanced resilience to its users. Towards the end of the line are located a mixture of additional labs, tea points, private offices and write-up areas.



LAB SPECIFICATION

- ▶ Containment Level 2 (CL2)
- ▶ Pass-through chambers from laboratory to corridor
- ▶ PPE lobbies
- ▶ Overhead gantry level accessible building service / M&E infrastructure
- ▶ Facial recognition access control system to each lab line
- ▶ Air handling units (minimum of 8 AC/H) within gantry level
- ▶ Tempered fresh air ventilation (HVAC) system with terminal heating/cooling
- ▶ Wet seal anti-static vinyl floors
- ▶ Floor to ceiling height of 3.1m
- ▶ 4.2m to structural steel frame
- ▶ LED LG3 lighting
- ▶ Compressed air
- ▶ Airlock pressure containment lobbies to each suite
- ▶ Flexible and independent air conditional pressure systems (-30 tp + 30) for two-way containment
- ▶ Cooling load 1.05 – 20.2 kW across different areas
- ▶ Diversified electrical load of 1.4 – 22.7 KVA across different areas
- ▶ CAT 5 cold water supply
- ▶ RO water system
- ▶ Lab waste water & vacuum drainage
- ▶ Power sockets within dado rail trunking
- ▶ WiFi throughout
- ▶ Networked environmental monitoring system for cold chain
- ▶ Noise reduction baffles
- ▶ Dirty & clean corridors (4 - 5.75m wide)
- ▶ Flexible goods loading
- ▶ Fire wall between lab & welfare areas

