

Perifusion System Comparison Chart

Feature	PERI-LITE	PERI5LM	PERI5
Designed to perform <i>ex vivo</i> testing of islets of Langerhans or cells	✓	✓	✓
Independent perifusion chambers with 275mL capacity <small>*Custom size chambers available for use with tissue slices and/or fragments</small>	✓ 4 Chambers	✓ 12 Chambers	✓ 12 Chambers
Supports standard 0.5mL 96-well-plates	✓	✓	✓
Calibrated peristaltic pump for with consistent flow rate on all chambers	✓	✓	✓
Incubator maintains 37°C ± 1°C across all perifusion chambers	✓	✓	✓
Run controlled and repeatable perfusion experiments under programmable conditions	✓	✓	✓
All-new intuitive user interface	✓	✓	✓
Reusable liquid manifold	✓ 4 inputs and 1 output	✓ 8 inputs and 4 outputs	
Disposable liquid manifold			✓ 12 inputs and 12 outputs
Intuitive touchscreen allows for powerful multi-parameter protocol creation, experiment execution, report generation, and guided system maintenance.		✓	✓
Refrigerated collection plate allows preservation of insulin, glucagon, and/or samatostatin.		✓	✓
Supports deep 2.0 mL 96-well-plates	✓	✓	✓
Optional Automatic Tray Handling robotic arm allows for operator-free handling of up to 20 standard well plates and 6 deep well plates.		✓	✓
12-channel bubble trap		✓	✓
Ability to create multiple linear glucose gradients			✓