

The ViVitro HiCycle uses an energy efficient process along with a resourceful design to provide the most versatile method for testing replacement heart valves and cardiovascular devices. Each tester is uniquely equipped with independent chambers to test valves in combinations of 6, 4, 3 or 2 for stable and independent operating conditions. Since each test chamber is independent of the others more flexibility is achievable than conventional methods. The electromagnetic motor is used to move the valve rather than the fluid for energy efficiency and stability of the fluid along with proven reliability, reducing the need for replacement of expensive fatigued components. The tester's compact design allows for it to be mounted in a mobile cart and provides quiet operation.

When combined with the HiTest Data Acquisition System, operators are able to monitor pressure and collect data through an intuitive user interface. The HiTest software meets validation, verification and testing in accordance with ISO 13485 quality standards and outputs results that meet FDA and ISO 5840 requirements.



Testing Capabilities

- Heart valve replacements
- Venous valve replacements
- Septal defect devices
- Cardiac patches or strips

Features

- Scan-Valve with fix mounted transducers for quick pressure collection
- Electromagnetic drive mechanism for quiet, stable, and reliable operation
- Energy efficient and robust design reduces the need to replace costly consumable components
- Independent chambers allow for quick device change-out and start-up
- Temperature controlled
- Proven history of reliability
- Materials are chemically compatible with testing solutions and most sterilization methods

Specifications

Dry weight:	95lb
Dimensions without cart:	18 x 15 inches
Dimensions with cart:	48 x 20 inches
Cycle Rates:	500 - 1800 cpm (low cycle rates are device dependent)
Power:	115V / 230VAC, 50-60Hz
Temperature Range:	up to 40°C ± 0.5°C
Volume per chamber:	280 ml

ViVitro products are manufactured in an ISO 13485 facility and meet applicable CE marking directives.



One year **Warranty** on all products

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Making device testing simpler, faster and more reliable.

