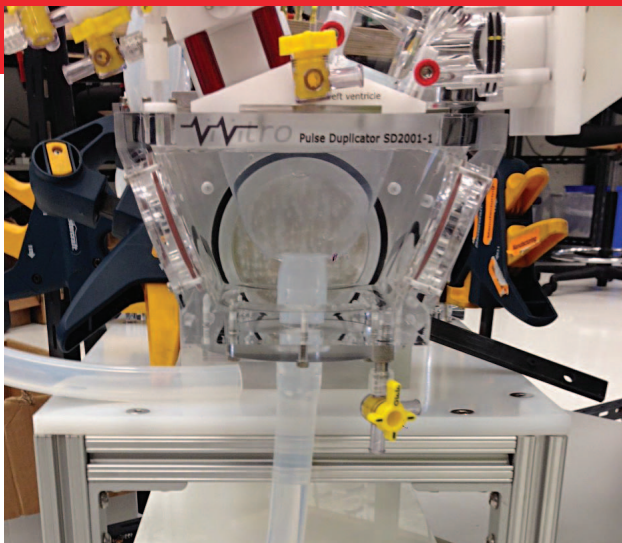


LEFT VENTRICULAR ASSIST DEVICE (LVAD) TESTING

Product Code: 25205

ViVitro offers a Left Ventricular Assist Device (LVAD) Lab Service and Pulse Duplicator accessory.



Ventricular Cannulation



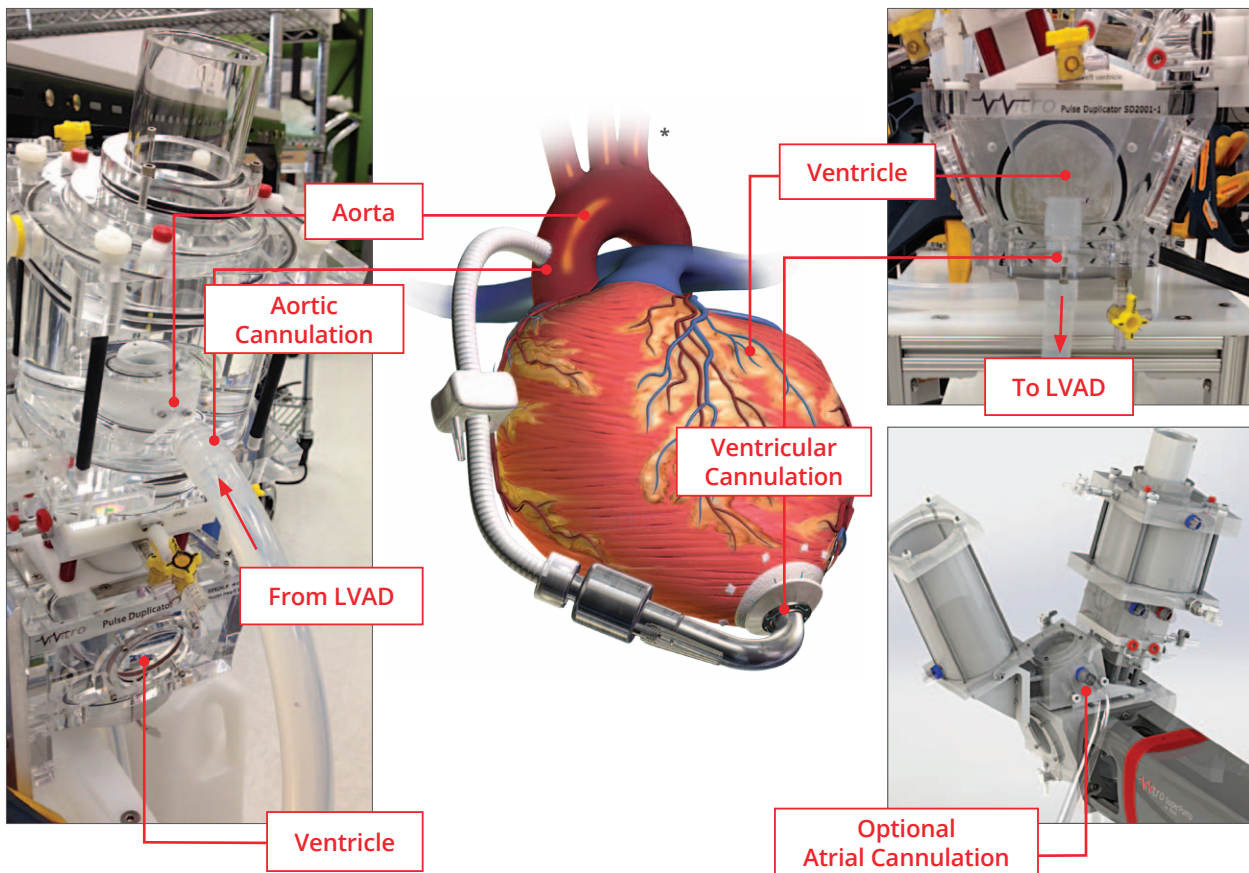
Atrial Cannulation

> Pulse Duplicator Accessory

The LVAD accessory uses the ViVitro Pulse Duplicator to test LVAD devices under physiological pulsatile flows. The system can simulate a variety of conditions while the LVAD is connected to the Pulse Duplicator. The effects on the cardiac output of the system can be monitored while varying the output of the LVAD using the Data Acquisition System. Flow sensors can be mounted at any point in the flow loop. An atrial cannulation option is also available.

> Features

- Ventricle apex connection - 1/2" barbed fitting
- Aortic chamber (aorta) connection - 1/2" barbed fitting
- Tubing and fittings for connecting to your LVAD



> Specifications

Flow	0-15 LPM
Beat Rate	3-200 BPM
Pressure	≤ 300 mmHg
Waveforms	variable systolic duration sine waveforms, linear waveforms, custom physiological waveforms, custom arrhythmia waveforms

> Lab Services

We offer independent LVAD device testing hydrodynamic performance assessment. Our test plans and reports are designed around approval bodies, thoroughly researched, and justified to ensure they are regulatory appropriate. Contact us today to discuss your cardiovascular testing needs. We also offer non-accredited testing for quicker, less costly Preliminary Evaluation and Feasibility Testing.

* By Blausen Medical Communications, Inc. (Donated via OTRS) [CC BY 3.0 (www.creativecommons.org/licenses/by/3.0/)], via Wikimedia Commons