

SUPERPUMP

The ViVitro SuperPump is the most widely used and cited pump for creating cardiac flows. It is unsurpassed in reliability, functionality, and versatility. Developed by ViVitro Labs Inc., the SuperPump utilizes the latest digital technology to provide maximum control with precision accuracy.



> Features

- Provides controlled pulsatile flow
- Pump can be controlled by onboard preconfigured waveforms or externally by ViVitest software
- Controller offers variable amplitude and monitors position & velocity



> Applications

- Heart valve function testing
- Flow transducer evaluation/calibration
- Isolated heart driver
- Echo Doppler flow phantom
- Neurovascular studies
- Blood vessel flow studies
- MRI studies
- LVAD simulator

> Specifications

Dimensions: Pump	15 x 55 x 17 cm
Actuator Controller	11 x 48 x 33 cm
Dry weight: Pump	7.65 kg
Actuator Controller	4.7 kg
Cycle Rate	30 – 200 BPM
Displacement Volume	180 ml

> Accessory - Pump Head

An optional pump head is available with simulated aortic and mitral check valves for mock circulatory loops. The ViVitro Pump Head assembly works with the SuperPump to create a physiological flow loop. A ventricle membrane works in conjunction with two simulated heart valves to regulate fluid flow.

