

# SynDaver Labs

## Vessel Pads & Platform Pump

SynDaver vessel pads are designed with extensive input from our medical device clients to exhibit realistic puncture resistance, suture holding, and electrocautery and laser scalpel performance. In addition to basic surgical skills, these pads are useful for practicing venous and arterial cutdown, anastomosis, dissection, cannulation and catheterization.

### Basic Vessel Pad [160520]

The Basic Vessel Pad is 20 x 20 cm and consists of an adult skin layer and a subcutaneous fat layer with three synthetic veins embedded in the subcutaneous fat. The vessels have a standard inner diameter of six millimeters and may be infused with fluids using standard syringes affixed to included fittings. Options are available for skin tone, vessel ID and vessel type.



### Muscular Vessel Pad [160550]

The Muscular Vessel Pad is 20 x 20 cm and consists of an adult skin layer, a subcutaneous fat layer and a skeletal muscle layer with three synthetic veins embedded in the muscle. The vessels have a standard inner diameter of six millimeters and may be infused with fluids using standard syringes affixed to included fittings. Options are available for skin tone, vessel ID and vessel type.



### Platform Pump [170130]

Get the most out of your vessel pad with the SynDaver Platform Pump. This pump is designed for experimentation and training with SynDaver vessel pads by pumping water or other fluid through the vessels. The platform includes a DC powered pump that provides a low-rate steady state flow through one vascular component at a time. Flow rate is controlled by valves at the proximal and distal ends of the vessel. Pressure is adjustable through a stopcock at the end of the tubing. Flow rate and pressure are both designed to accurately simulate realistic blood flow.

**Included Components:** Platform with 1000 ml sump basin, removable perforated polyethylene platform, impeller pump, external battery pack, and tubes.

**Power:** External battery pack. Allows operation up to six hours on a full charge. AA batteries not included.

**Flow Rate:** Adjustable from zero to 100 ml per minute.

**Pressure:** Adjustable from zero to 120 mmHg.

**Dimensions:** 8 in (L) x 12 in (W) x 2 in (D).

