## Materials List for Use of an Integrated Low-Flow Anesthetic Vaporizer, Ventilator, and Physiological Monitoring System for Rodents

Krista Bigiarelli<sup>1</sup>, Luke E. Schepers<sup>2</sup>, Arvin H. Soepriatna<sup>2</sup>, Dave FitzMiller<sup>3</sup>, Craig J. Goergen<sup>2</sup>

<sup>1</sup>Pre-Clinical Research and Development, Kent Scientific Corporation <sup>2</sup>Weldon School of Biomedical Engineering, Purdue University <sup>3</sup>Marketing Research and Development, Kent Scientific Corporation

Corresponding Author	Citation	
Krista Bigiarelli, K., Schepers, L.E., Soepriatna, A.H., FitzMiller, D., Goergen, C.J. Us		
kbigiarelli@kentscientific.com	Integrated Low-Flow Anesthetic Vaporizer, Ventilator, and Physiological Monitoring System	
	for Rodents. J. Vis. Exp. (), e61311, doi:10.3791/61311 (2020).	

## **Date Published**

DOI

10.3791/61311

jove.com/video/61311

July 9, 2020

## **Materials**

Name	Company	Catalog Number	Comments
Intubation Kit	Kent Scientific Corporation	ETM-MSE	Includes intubation stage, intubation tube, LED light
Isoflurane Liquid Inhalation 99.9%	Henry Schein, Inc.	1182097	Glass bottle 250mL
MouseSTAT Pulse Oximeter	Kent Scientific Corporation	SS-03	Integrated into SomnoSuite
Oxygen Tank	Indiana Oxygen Company	23-160246	Medical Grade O <sub>2</sub> 99%
RoVent Automatic Ventilator	Kent Scientific Corporation	SS-04	Integrated into SomnoSuite
SomnoSuite Low Flow Digital Anesthesia System	Kent Scientific Corporation	SS-01	Includes RightTemp Homeothermic Warming control, pad, and temperature sensors
SomnoSuite Mouse Starter Kit	Kent Scientific Corporation	SOMNO-MSEKIT	Includes nose cone, syringes, induction chamber, and charcoal canister