

**Materials List for:**

**A Model to Simulate Clinically Relevant Hypoxia in Humans**

Lars Eichhorn<sup>1</sup>, Florian Kessler<sup>1</sup>, Volker Böhnert<sup>2</sup>, Felix Erdfelder<sup>1</sup>, Anja Reckendorf<sup>3</sup>, Rainer Meyer<sup>4</sup>, Richard K. Ellerkmann<sup>1</sup>

<sup>1</sup>Department of Anaesthesiology and Intensive Care Medicine, University Hospital of Bonn

<sup>2</sup>Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn

<sup>3</sup>Institute for Terrestrial and Aquatic Wildlife Research, University of Veterinary Medicine Hannover

<sup>4</sup>Institute of Physiology 2, University of Bonn

Correspondence to: Lars Eichhorn at [lars.eichhorn@ukb.uni-bonn.de](mailto:lars.eichhorn@ukb.uni-bonn.de)

URL: <https://www.jove.com/video/54933>

DOI: [doi:10.3791/54933](https://doi.org/10.3791/54933)

**Materials**

Name	Company	Catalog Number	Comments
SpO <sub>2</sub>	Dräger Medical AG&CO.KG	SHP ACC MCABLE-Masimo Set	peripheral SpO <sub>2</sub> -Monitoring
Non Invasive Blood Pressure (NIBP)	Dräger Medical AG&CO.KG	NIBP cuff M+, MP00916	
Electrocardiographic (ECG)	Dräger Medical AG&CO.KG	Infinity M540 Monitor	ECG monitoring
Docking station	Dräger Medical AG&CO.KG	M500 Docking Station	connection of M540 to laptop
NIRS	NONIN Medical's EQUANOX	Model 7600 Regional Oximeter System	measuring of cerebral and tissue oxygenation
NIRS diodes	EQUANOX Advance Sensor	Model 8004CA	suited for measuring cerebral and somatic oxygen-saturation
<b>Laptop</b>			
DataGrabber	Dräger Medical AG&CO.KG	DataGrabber v2005.10.16	software to synchronize M540 with laptop
eVision	Nonin Medical. Inc.	Version 1.3.0.0	software to synchronize NONIN with laptop