

Materials List for:

Quantitative Mapping of Specific Ventilation in the Human Lung using Proton Magnetic Resonance Imaging and Oxygen as a Contrast Agent

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Materials

Name	Company	Catalog Number	Comments
3D-printed flow bypass system			
Face mask	Hans Rudolph		7400 series Oro-nasal mask, different sizes
Gas/oxygen regulator			
Mask head set	Hans Rudolph		7400 compatible head set
Matlab	Mathworks		analysis software developed locally
Medical oxygen	Air Liquide/Linde		Oxygen to be delivered to the subject
MRI	GE healthcare		1.5 T GE HDx Excite twin-speed scanner
Plastic tubing			1/4", 3/8" and 1/2" tubing and connectors
Pulse oximeter	Nonin		7500 FO (MR compatible)
Switch valve			
Torso coil	GE healthcare		High gain torso coil for GE scanner

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