

Materials List for:

# Quantitative Micro-CT Analysis of Aortopathy in a Mouse Model of $\beta$ -aminopropionitrile-induced Aortic Aneurysm and Dissection

Brittany O. Aicher<sup>1</sup>, Subhradip Mukhopadhyay<sup>1</sup>, Xin Lu<sup>2</sup>, Selen C. Muratoglu<sup>1</sup>, Dudley K. Strickland<sup>1</sup>, Areck A. Ucuzian<sup>1,3</sup>

<sup>1</sup>Center for Vascular and Inflammatory Diseases, University of Maryland School of Medicine

<sup>2</sup>Department of Diagnostic Radiology and Nuclear Medicine, University of Maryland School of Medicine

<sup>3</sup>Division of Vascular Surgery, University of Maryland School of Medicine

Correspondence to: Brittany O. Aicher at [baicher@som.umaryland.edu](mailto:baicher@som.umaryland.edu)

URL: <https://www.jove.com/video/57589>

DOI: [doi:10.3791/57589](https://doi.org/10.3791/57589)

## Materials

Name	Company	Catalog Number	Comments
Microfil	Flow Tech, Inc	MV-122	We use yellow, a different color can be ordered as desired. Kit includes MV-Compound, MV-Diluent, and MV-Curing Agent.
Heparin (1000 U/mL)	Sagent Pharmaceuticals	25021-400-10	
Phosphate buffered saline	Corning	21-031-CV	
Isoflurane	Vet One, MWI	502017	
3-Aminopropionitrile fumarate salt	Sigma-Aldrich	A3134	
Single syringe pump	Fisher Scientific	14-831-200	
27-gauge scalp vein set needle	Exel Int	26709	27G x 3/4", 12" tube
Inveon Micro-CT scanner	Siemens Medical Solutions		
Osirix MD	Pimxmeo SARL		Version 8.0.2
Inveon Research Workplace	Siemens Medical Solutions		Version 4.2
Rodent Chow	Harlan Teklad	2018sx	