

Materials List for

# A Murine Model of Hyperlipidemia-Induced Heart Failure with Preserved Ejection Fraction

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jove.com/video/66442

## Materials

Name	Company	Catalog Number	Comments
Adeno-associated virus 9-cardiac troponin T-LDLR (AAV9-cTnT-LDLR)	U. Penn Vector Core, funded by the NHLBI Gene Therapy Program (GTRP)		Transgene plasmids and AAVs particles were generated by the U. Penn Vector Core, funded by the NHLBI Gene Therapy Program (GTRP). AAV were provided in Dulbecco's phosphate-buffered saline (PBS) with 0.001% Pluronic F68. The Core determined AAV titers by digital droplet polymerase chain reaction (ddPCR) and assessed all preparations for capsid protein ratio by SDS-PAGE and for the presence of endotoxin. Constructs include the human (h) transcripts tagged by 3X HA, Penn Vector Core (RRID: SCR_022432). AAV9-cTnT-hLDLR plasmid encodes the full human LDLR protein (2664bp).
Imaging systems with a high frequency transducer probe MS400	(VisualSonics, Toronto, ON, Canada)	Vevo 2100 or 3100	
Isoflurane	Akorn Animal Health, Inc.	NDC: 59399-106-01	
LabChart software	ADInstruments	Pro version 8.1.5	
Poloxamer 407	Sigma-Aldrich	16758	
PV catheter	Millar Instrument	PVR 1035	
Ultrasound analysis software	Vevo Lab		
Wild-type (WT) mice on 129J background	Jackson Laboratory		