

Materials List for:

Utilizing ¹⁸F-FDG PET/CT Imaging and Quantitative Histology to Measure Dynamic Changes in the Glucose Metabolism in Mouse Models of Lung Cancer

Milica Momcilovic¹, Sean T. Bailey², Jason T. Lee³, Charles Zamilpa³, Anthony Jones³, Gihad Abdelhady¹, James Mansfield⁴, Kevin P. Francis⁵, David B. Shackelford¹

¹Division of Pulmonary and Critical Care Medicine, University of California Los Angeles David Geffen School of Medicine

²University of North Carolina at Chapel Hill

³Department of Molecular and Medical Pharmacology, University of California Los Angeles

⁴Andor Technology

⁵Division of Orthopaedic Surgery, University of California Los Angeles David Geffen School of Medicine

Correspondence to: David B. Shackelford at DShackelford@mednet.ucla.edu

URL: <https://www.jove.com/video/57167>

DOI: [doi:10.3791/57167](https://doi.org/10.3791/57167)

Materials

Name	Company	Catalog Number	Comments
G8 PET/CT	Perkin Elmer	CLS139564	Used for 18F-FDG PET and CT imaging of mice
Axio Imager.M2	Zeiss	490020-0003-000	Acquiring images of FFPE lung tumor sections
Inform software	Perkin Elmer	CLS135781	Morphometric used for image analysis of tumor pathologies
Glut1 antibody	Alpha Diagnostics	GT12-A	IHC staining of FFPE lung tumor sections
Phospho-S6 Ribosomal Protein (Ser235/236) (D57.2.2E) XP™ Rabbit mAb	Cell Signaling Technologies	4858	IHC staining of FFPE lung tumor sections
MX35 Premier microtome blades	Thermo Fisher Scientific	3051835	Microtome blades for sectioning tissue for autoradiography