

Materials List for:

High-definition Fourier Transform Infrared (FT-IR) Spectroscopic Imaging of Human Tissue Sections towards Improving Pathology

Hari Sreedhar^{*1}, Vishal K. Varma^{*1}, Peter L. Nguyen², Bennett Davidson^{3,4}, Sanjeev Akkina⁵, Grace Guzman², Suman Setty², Andre Kajdacsy-Balla², Michael J. Walsh²

¹Department of Bioengineering, University of Illinois at Chicago

²Department of Pathology, University of Illinois at Chicago

³Department of Biological Sciences, University of Illinois at Chicago

⁴Department of Chemistry, University of Illinois at Chicago

⁵Department of Nephrology, University of Illinois at Chicago

*These authors contributed equally

Correspondence to: Michael J. Walsh at walshm@uic.edu

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Materials

Name	Company	Catalog Number	Comments
Cary 600 Series FT-IR system	Agilent	Multiple configurations	Alternate FT-IR imaging systems exist
Adjustable ReflX Objective 74X/0.65 NA IR	Edmund Optics	66-592	
Adjustable ReflX Objective 36X/0.5 NA IR	Edmund Optics	66-586	
MirrIR slide	Kevley Technologies	CFR	For FT-IR reflection-mode measurements
Barium Fluoride slides	International Crystal Laboratories	Multiple sizes	For FT-IR transmission-mode measurements
Calcium Fluoride slides	International Crystal Laboratories	Multiple sizes	For FT-IR transmission-mode measurements
Dry Nitrogen/Dry Air gas	Multiple gas suppliers	Multiple sizes	
Hexane	Sigma Aldrich	Multiple sizes	For deparafinizing tissue
Liquid Nitrogen	Multiple cryogenic liquid suppliers	Multiple sizes	
ENVI-IDL software	Exelis-Vis		Other software packages available
Whole slide Imager	Scanscope (Aperio) or Nanozoomer (Hamamatsu)		To image stained slides