



Mar 01, 2022

Overall protocol for top-down LC-MS/MS of human lung tissue

Overall protocol for top-down LC-MS/MS of human kidney tissue

Jeannie Camarillo¹, Bryon Drown¹, Neil Kelleher¹

¹Northwestern University

1



dx.doi.org/10.17504/protocols.io.b5sbq6an

Human BioMolecular Atlas Program (HuBMAP) Method Development Community

Kelleher Research Group



Kelleher KRG Research Group

Northwestern University, National Resource for Translational...

Overview description of the process for acquiring top-down LC-MS/MS data on human lung tissue

DOI

dx.doi.org/10.17504/protocols.io.b5sbq6an

Jeannie Camarillo, Bryon Drown, Neil Kelleher 2022. Overall protocol for top-down LC-MS/MS of human lung tissue. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.b5sbq6an>



Overall protocol for top-down LC-MS/MS of human kidney tissue, Kelleher KRG Research Group

protocol ,

Mar 01, 2022

Mar 01, 2022

58915

Tissue Collection

- 1 Lung tissue was provided by University of Rochester Medical Center. Tissue was collected and prepared according to the following:



615.1 URMHC HTC Non-Inflated Fresh-Frozen Embedded Lung and Associated Tissue

by Gloria Pryhuber,

University of Rochester Medical Center

PREVIEW

RUN



Sample Preparation

2 Perform LC based Proteomics on adjacent tissue sections:



Tissue Homogenization and GELFrEE for Top-Down Proteomics

by Kelleher KRG Research Group,

Northwestern University

PREVIEW

RUN



Data Acquisition

3



Untargeted Top-down Proteomics by LC-MS/MS on Eclipse

by Kelleher KRG Research Group,

Northwestern University

PREVIEW

RUN



Sample Preparation

4



Top-down proteomics data analysis on the NRTDP TDPortal

by Kelleher KRG Research Group,

Northwestern University

PREVIEW

RUN

