



Mar 01, 2022

Overall protocol for top-down CZE-MS/MS of human spleen tissue

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

Jeannie Camarillo¹, Bryon Drown¹, Neil Kelleher¹

¹Northwestern University

1



dx.doi.org/10.17504/protocols.io.b5tiq6ke

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 CZE-MS/MS data on human spleen tissue

DOI

dx.doi.org/10.17504/protocols.io.b5tiq6ke

Jeannie Camarillo, Bryon Drown, Neil Kelleher 2022. Overall protocol for top-down CZE-MS/MS of human spleen tissue. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.b5tiq6ke>



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

protocol ,

Mar 01, 2022

Mar 01, 2022

58954

Tissue Collection

- 1 Spleen tissue was provided by University of Florida TMC. Tissue was collected and prepared according to the following:



Case Processing SOP (Spleen)
by **Marda Jorgensen**

Sample Preparation

2



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 CZE-MS/MS on
Eclipse
by **Kelleher KRG Research Group,
Northwestern University**

PREVIEW

RUN



Data Analysis

4



Top-down proteomics data analysis on the NRTDP TDPortal
by **Kelleher KRG Research Group**