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

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

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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 heart tissue

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Tissue Collection

- Heart tissue was provided by University of Washington. Tissue was collected and prepared according to the following:



Protocol for Tissue Collection from Organ Procurement
Organization
by

PREVIEW

RUN



Sample Preparation

2 Perform LC based Proteomics on adjacent tissue sections:



Tissue Homogenization and GELFrEE for Top-Down
Proteomics
by

PREVIEW

RUN



Data Acquisition

3



Untargeted Top-down Proteomics by CZE-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

PREVIEW

RUN

