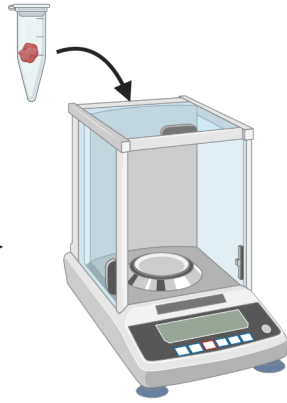


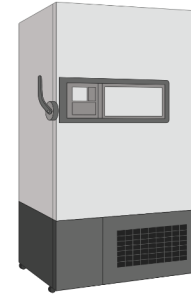
Section  
Organ(s)



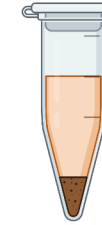
Weigh Tissue



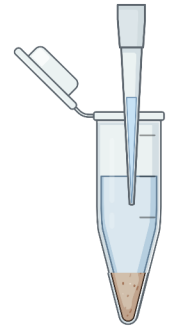
Suspend Samples  
in LC-MS Grade  
 $H_2O$  and  
Homogenize



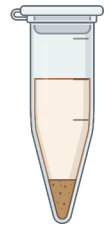
Set Aside 1/10 of  
the Homogenate for  
DNA Extraction or  
Protein-based  
Analyses



Add LC-MS Grade  
Methanol to the  
Remaining  
Homogenate and  
Homogenize



Extract Aqueous  
Metabolites



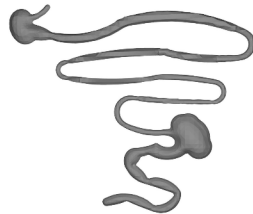
Resuspend in  
Dichloromethane:Methanol,  
Homogenize and Extract  
Organic Metabolites



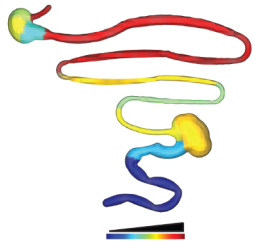
LC-MS  
Analysis



LC-MS Data  
Processing



3D Model  
Generation



'ili Plot  
Generation