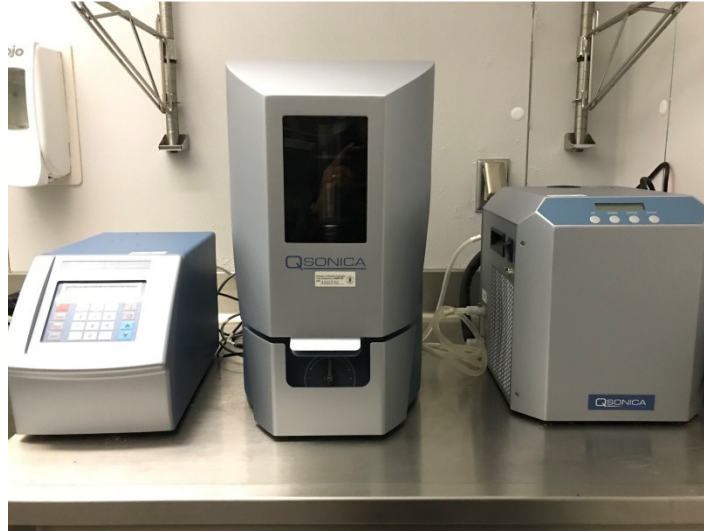


Cell Fractionation & Chromatin Shearing for Solubilization of Proteins in Chromatin Fraction



Protocol

Sample Type: *Human RPE cells*
Sample Details: *30 million cells pelleted and lysated with 2 different buffers to separate cells into 3 fractions: Cytoplasm, Nucleus and Chromatin*
Lysis Buffer: *9mM EDTA pH8, 0.2mM EGTA pH8, 0.1% Triton, 1mM DTT, Protease Inhibitors*
Sample Volume: *200ul*
Amplitude Setting: *70%*
Sonication Pulse Rate: *30 seconds ON, 30 seconds OFF*
Sonication ON Time: *5 minutes*
Sample Tubes: *0.5ml Eppendorf thin wall*

Customer Notes

I appreciate the light inside the sonicator for this experiment, since you can see the insoluble chromatin "disappear" after sonication.