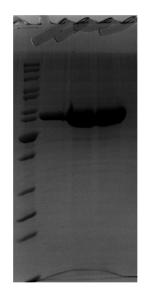


E. coli Cell Lysis

Example protocols and results are based on customer feedback.





Q500 Sonicator with 1/2" probe

Protocol

Cell Type: E. coli cell pellets re-suspended in buffer

Sample volume: Between 50-150ml

Sample Concentration Details: ~20g of cell pellet per 100ml of buffer

Sonicator Amplitude Setting: 45%

Sonication Pulse Rate: 15 seconds ON, 45 seconds OFF

Total Sonication ON Time: 12 minutes

Sample Process Temperature: Beaker is kept on ice with stirring

Customer Notes

- We use the Q500 Sonicator for lysis of E. coli cells for the purpose of purification of overexpressed recombinant proteins.
- We fully lyse our E. coli cells without denaturing our recombinant, overexpressed proteins due to excess heating.
- Please see the picture above. The protein was purified using 6xHis-Tagged purification methods.
- The protein is soluble and has a MW of ~59kDa.