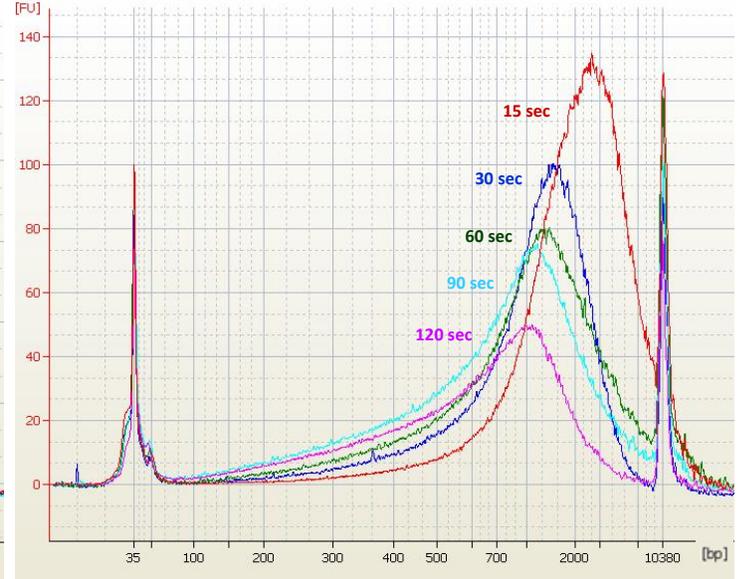
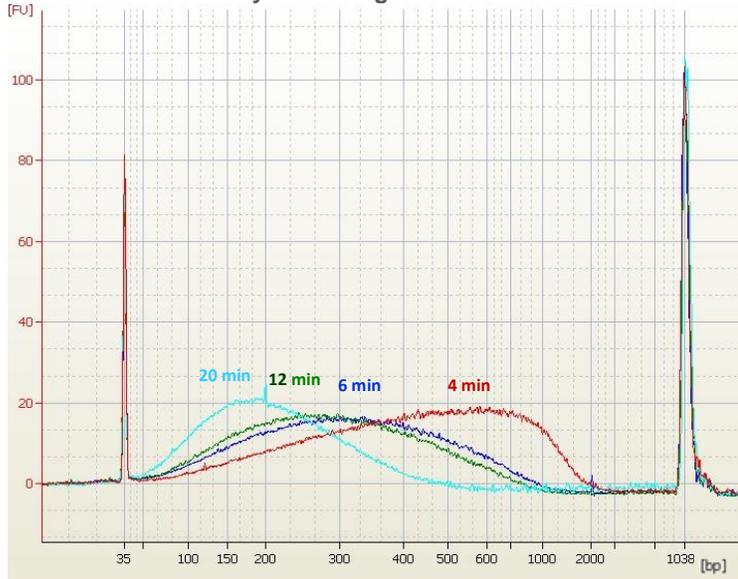


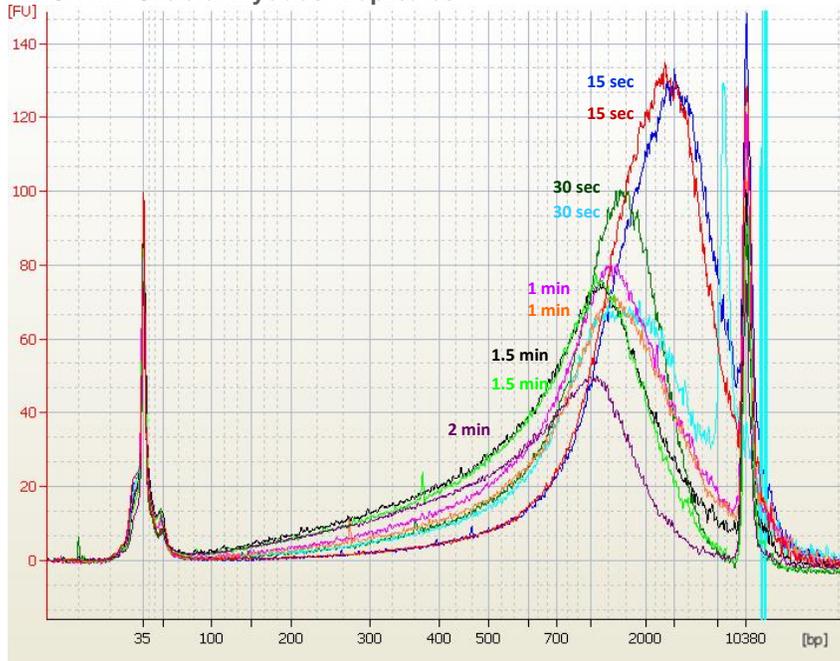
Human Skeletal Myoblast Genomic DNA Shearing

Example protocols and results are based on customer feedback.

LHCN-M2 Skeletal Myoblast Fragmentation over time



LHCN-M2 Skeletal Myoblast Duplicates



Protocol Information

- Cell Type:** LHCN-M2 Skeletal Myoblast / 200ng
- Total Sample Volume:** 200ul (200ng of DNA) in Brand Tech 0.5 ml tubes
- Sonicator Amplitude Setting:** 20%
- Sonication Pulse Rate:** 15 seconds On, 15 seconds Off
- Total Sonication On Time:** As indicated on each bio-analyzer image
- Sample Process Temperature:** 3°C

Customer Notes: The size distributions were consistently moving towards smaller sizes and the replicate-to-replicate reproducibility was very good. All samples were done as duplicates. 15 sec produces a reasonably compact peak of about 3 kb. At 30 sec, the peak size is about 1.5 kb, and it drops to ~1 kb at 1 and 1.5 min. There is relatively little change in peak sizes from 1.5 to 2.