

DNA Shearing with the Branson 250 Sonifier

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1. Start with 200 μ L of DNA sample (if doing barcoding, the sample can already be multiplexed at this stage). You should have at least 500ng of DNA.
2. Set Duty Cycle to 80%
3. Set Output Control to 1.8
4. Do the Following 4 times:
 - (a) Pulse the sample 20 times on the sonicator
 - (b) Put the sample in an ice water bath to cool for about 30 seconds between sets
5. Clean up the sheared samples with the Qiagen MinElute PCR kit