DNA fragmentation

Reagents required:

- Covaris Microtube (Small) (Fisher, 520045)
- MinElute PCR purification kit (Qiagen, 28004)

Use the Covaris with the appropriate fragmentation program. The insert size will depend on the read length. For the 50x50 PE read I run the program:

Microtube shearing SOLiD v3-5

- Duty cycle: 10%
- Intencity: 5
- Cycles/Burst:10
- Time:60sec

After fragmentation, concentrate your sample using the minielute kit. Elute at 17µl.

At this stage you can quantify your dsDNA with Nanodrop/Qubit. I typically get 5-20ng of dsDNA (total) and I proceed with HALF the sample