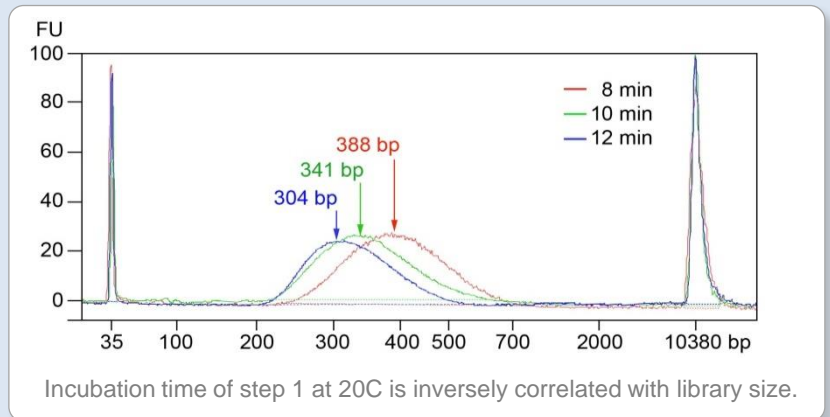


# NGS Library Preparation

## Enzymatic Fragmentation: From Intact Genomic DNA to Library

- **Intact genomic DNA as input**
  - Mechanical shearing is not needed
  - Flexibility: works with both EDTA-free DNA & DNA in TE buffer
- **Save Your Time**
  - Total time: ~1.5 hours
  - Hands-on time: ~10 minutes
- **Simple Workflow**
  - Two reaction steps for library preparation
  - Simplified beads purification
- **Guaranteed Quality**
  - High library conversion efficiency
  - No detectable bias



Input: Intact gDNA

No Equipment Needed

Simple Procedure

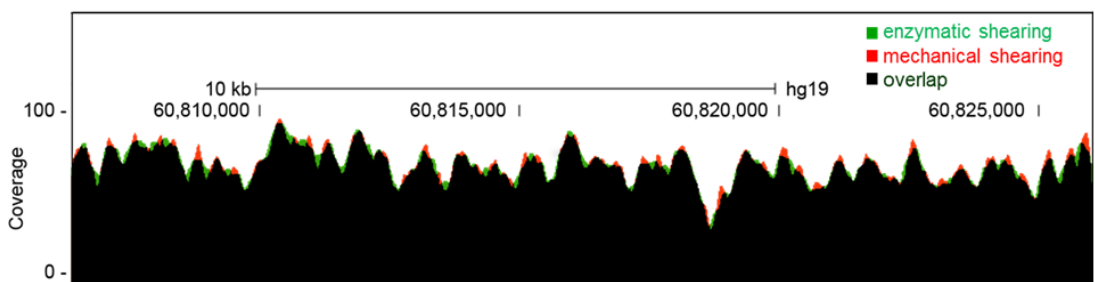
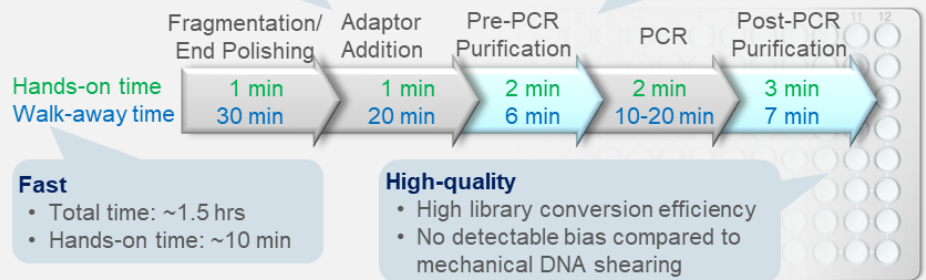
Fast Protocol

### Easy procedure

- Ready-to-use master mix
- Less reaction components

### Simple workflow

- Less steps
- Hands-on time: ~10 min



### NGS data comparison: enzymatic shearing versus mechanical shearing

- **Enzymatic shearing**
  - DNA shearing and library prep: BioDynami DNA Fragmentation & Library Prep Kit
- **Mechanical shearing**
  - DNA shearing: Covaris sonication
  - Library prep: BioDynami NGS DNA Library Prep Kit.

Product Name	Cat.#
NGS DNA Fragmentation & Library Prep Kit (illumina platform, with non-index primers & PCR reagent)	30026
NGS DNA Fragmentation & Library Prep Kit (illumina platform, with index primers & PCR reagent)	30028
NGS DNA Fragmentation & Library Prep Kit (illumina platform, with unique dual index primers & PCR reagent)	30030

More details at: [biodynami.com/product/ngs-dna-fragmentation-&-library-prep-kit/](http://biodynami.com/product/ngs-dna-fragmentation-&-library-prep-kit/)



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Fast  
 Simple  
 Affordable  
 High-Quality

