

## **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 EDTAfree DNA and DNA resuspended in TE buffer

#### Guaranteed Quality

- High library conversion efficiency
- No detectable bias as compared to mechanical DNA shearing

#### Save Your Time

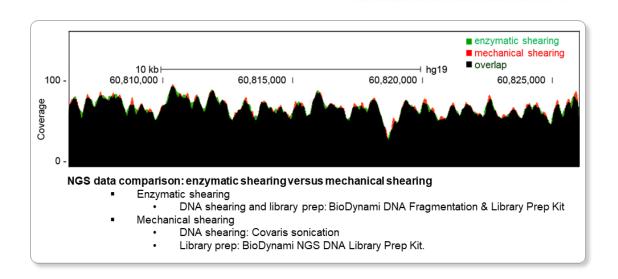
Total time: ~1.5 hours

Hands-on time: ~10 minutes

#### Simple Workflow

- Two reaction steps for library preparation
- Simplified beads purification

#### Simple workflow Two reaction steps Fragmentation/ Adaptor Pre-PCR Post-PCR PCR End polishing addition purification purification 3 min 1 min 2 min Hands-on time 1 min 2 min 20 min 6 min 30 min 10-20 min 7 min Walk-away time High-quality Easy High library conversion efficiency Total time: ~1.5 hrs Hands-on time: ~10 min No detectable bias as compared to mechanical DNA shearing



### Kit List

#### Illumina platform

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: <u>biodynami.com/product/ngs-dna-fragmentation-&-library-prep-kit/</u> Email: support@biodynami.com