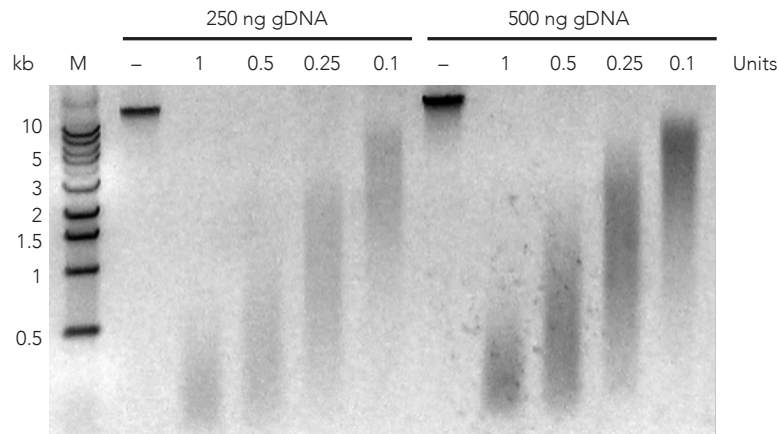


# Controlled, Random DNA Fragmentation

## dsDNA Shearase™ Plus

- **Simple:** The simplest method for generating random-end dsDNA fragments.
- **Tunable:** Fragment size is easily controlled by adjusting enzyme concentration.
- **NGS-Ready:** dsDNA Shearase™ Plus-generated fragments are ideal for library construction, Next-Gen Sequencing, and DNA immunoprecipitation (i.e. MeDIP, MeDIP-Seq).

### Fragmentation of DNA Using dsDNA Shearase™ Plus



**DNA is effectively fragmented using dsDNA Shearase™ Plus.** 250 ng or 500 ng of HCT116 cell genomic DNA was incubated with 1, 0.5, 0.25, or 0.1 U dsDNA Shearase™ Plus for 20 min at 42°C. The reaction was stopped by incubating at 65°C for 5 min. Fragmented DNA was purified using the DNA Clean & Concentrator™ kit and subsequently resolved in a 1% agarose gel. The amount of DNA fragmentation observed was directly correlated to the amount of enzyme used.

Product	Cat. No.	Size
dsDNA Shearase™ Plus	E2018-50	50 U
	E2018-200	200 U

