

SFD-10HT

Comparative Data Analysis

SFD-10HT vs Competitor Kits:

In this analysis, **SFD-10HT** was compared to two competitor products: **AMPure PB** and **PacBio SRE XS**.

All three kits are designed for removal of short fragments to enhance read length in long read sequencing.

Removal of Short DNA Fragments <10 kb

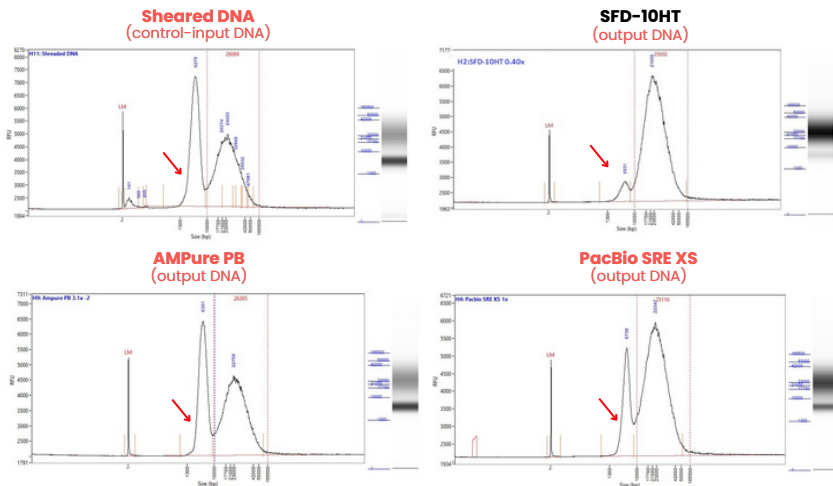


Figure 1: Comparison between MagBio's **SFD-10HT** and competitor products (PacBio SRE XS & AMPure PB) in removal of short fragments (<10 kb) from sheared human DNA (53 ng/ μ L) extracted from whole blood samples.

Table 1: Smear Analysis: Removal of <10 kb DNA Fragments from a DNA sample Concentration of 53 ng/ μ L

Sample ID	Range	% Total	Avg. Size	%CV	Size Threshold (b.p.)	DQN
SFD10-HT	10000 bp to 165500 bp	89.3	25950	49.38	10 000	9.1
AMPure PB	10000 bp to 165500 bp	53.3	26313	50.64	10 000	5.4
PacBio SRE XS	10000 bp to 165500 bp	74.4	25116	48.87	10 000	7.5
Sheared DNA	10000 bp to 165500 bp	49.9	26069	45.91	10 000	5

SFD-10HT offers better removal of fragments less than 10 kb than the rest of the competitors