

SFD-10HT

Comparative Data Analysis

SFD-10HT vs Competitor Kit:

In this analysis, **SFD-10HT** was compared to competitor product: **Company PB's SRE XS Kit**. Both kits are designed for elimination of short fragments to enhance read length in long read sequencing.

Elimination of Short DNA Fragments <10 kb

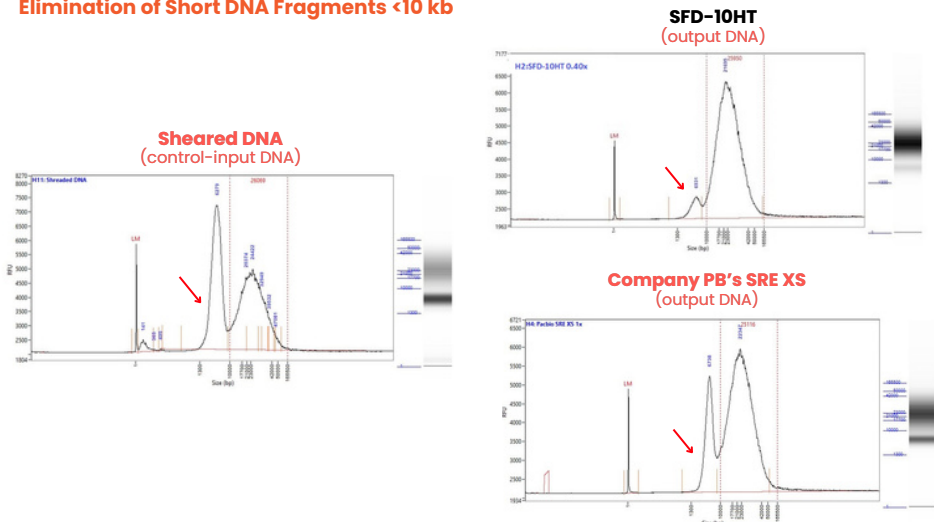


Figure 1: Comparison between MagBio's **SFD-10HT** and competitor products (Company PB's SRE XS) in elimination of short fragments (<10 kb) from sheared human DNA (53 ng/ μ L) extracted from whole blood samples.

Table 1: Smear Analysis: Elimination 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
SFD-10HT	10000 bp to 165600 bp	89.3	25950	49.38	10000	9.1
Company PB's SRE XS	10000 bp to 165600 bp	74.4	25116	48.87	10000	7.5
Shredded DNA	10000 bp to 165600 bp	49.9	26069	45.91	10000	5

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