PCR-Free

Whole Genome Sequencing

The newest addition to the SureSelect Max family



Try the latest addition to the SureSelect Max family: A high performance PCR-Free WGS library prep solution built for generating accurate, unbiased data without compromise.

By eliminating PCR amplification, the solution removes PCR-induced bias while maintaining high coverage uniformity and library complexity, supporting confident constitutional genetics research as well as rare and structural variant analysis. Compatible with diverse sample types, Agilent SureSelect Max PCR-free WGS also supports population genomics, oncology research, and a broad range of low-pass (<10X) and standard-coverage (15–30X)WGS applications. The accelerated SureSelect Max PCR-free WGS workflow complements target enrichment workflows, enabling rapid sample-to-library preparation with automation-ready reagent configurations, and seamless integration with Agilent automated electrophoresis and quality control workflows.

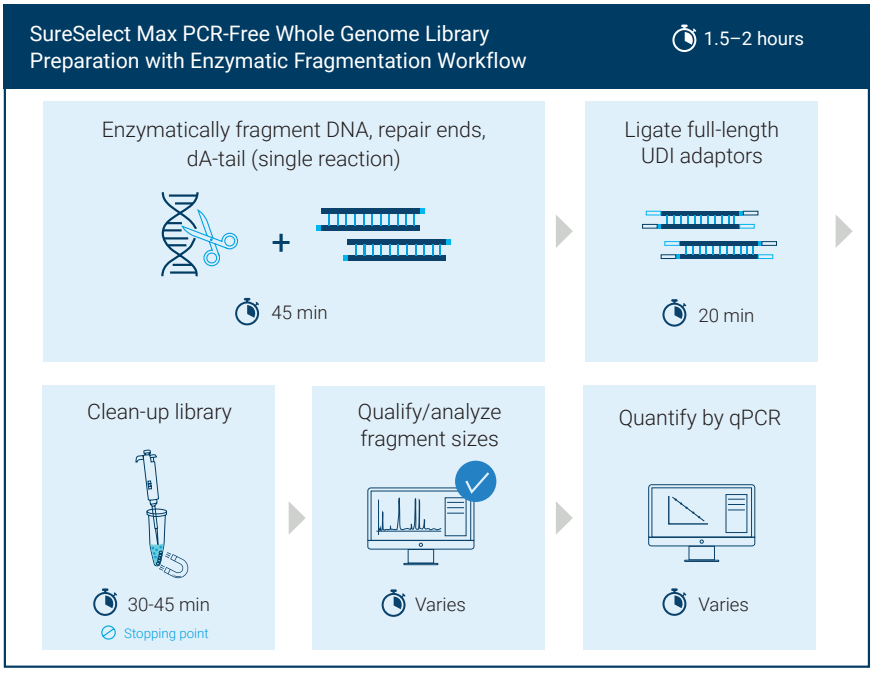
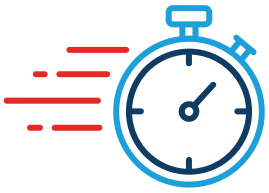


Figure 1. Summary of the Agilent SureSelect Max PCR-free whole genome DNA library preparation with enzymatic fragmentation workflow.

"Being experienced SureSelect users, we found the new SureSelect Max kit for WGS PCR-free-library preparation easy to use with a clear-written and user-friendly protocol for manual execution. The workflow is fast (<2 hours) and provides high yields using similar input (250 ng gDNA) as used for WES which resulted in high-quality sequencing data. Overall, we consider the new SureSelect Max kit to be competitive to other available kits and would recommend this for WGS applications."

-NGS Service Provider



Less than 2 hours of prep time with:

- One step fragmentation, end-repair, and dA tailing.
- Faster ligation and clean-up times.
- Eliminated need for PCR.

Agilent

Trusted Answers

Unlock the Full Potential of PCR-Free WGS

- Free from PCR bias, with rapid library preparation in under two hours.
- High-complexity libraries, uniform genome coverage, and low duplication rates for confident, cost-effective sequencing.
- Compatible with low DNA inputs from FFPE samples for low-pass and standard coverage WGS.
- Fully modular, flexible, and supported by simplified protocols.



Includes validated protocols for both enzymatic and mechanical fragmentation. Representative image, actual kit contents may vary.

Ordering Information

Kit name	Number of Reactions	Product Number
SureSelect Max UDI Adaptors for WGS, PCR-free, 1–16, 16 reactions	16	G9620A
SureSelect Max UDI Adaptors for WGS, PCR-free, 1–96, 96 reactions	96	G9620B
SureSelect Max Enzymatic Fragmentation Library Prep Kit, PCR-free, 16 reactions	16	G9619A
SureSelect Max Enzymatic Fragmentation Library Prep Kit, PCR-free, 96 reactions	96	G9619B
SureSelect Max Library Prep Kit, PCR-free, 16 reactions	16	G9613A
SureSelect Max Library Prep Kit, PCR-free, 96 reactions	96	G9613B

Download the poster to see the data presented at ASHG 2026

Learn more:
www.agilent.com/sureselect-wgs

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