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PerkinElmer Introduces New NGS Library Preparation Kits to Accelerate Research and Improve User Experience

Novel updates designed to yield better scientific outcomes and ease of use

WHAT: [PerkinElmer Inc.](#), a global leader committed to innovating for a healthier world, today announced three new research use only (RUO) library preparation kits: [NEXTFLEX® Small RNA-Seq Kit v4](#), [NEXTFLEX® Rapid XP V2 DNA-Seq Kit](#) and [PG-Seq™ Rapid Kit v2](#).

HOW:

- The NEXTFLEX Small RNA-Seq Kit v4 delivers gel-free library prep from purified miRNA or 1ng of total RNA and exceptional miRNA discovery rates. By eliminating all gel-based steps even for limited input samples, the NEXTFLEX Small RNA-Seq Kit v4 is optimized for simplified use and easy migration onto automated liquid handling platforms. The kit can produce sequence-ready small-RNA libraries in approximately six hours and allows multiplexing of 384 samples per run using unique dual-index barcodes.
- The NEXTFLEX Rapid XP V2 DNA-Seq Kit includes proprietary NEXTFLEX® normalization beads that provide a consistent mass and sequencing cluster density for all DNA samples in a library pool. This shortens the time needed for quantification and pooling preparation for sequencing by up to 3 hours per 96 samples.
- The PG-Seq Rapid Kit v2 analyzes picogram quantities of DNA from an embryo biopsy for preimplantation genetic research with enhanced whole genome coverage and accuracy. Allowing up to 96 sample multiplexing, the kit includes all reagents required for cell lysis, whole genome amplification, indexing along with the PG-Find™ analysis software for automatic calling of aneuploidy and copy number variants.

WHY: “The recent launches reflect our continued commitment to remove bottlenecks in sample preparation that ultimately limit the speed of scientific discovery,” said Arvind Kothandaraman, managing director of specialty diagnostics at PerkinElmer. “The new kits eliminate some of the most pressing technical and operational pain points associated with NGS library preparation today.”

MORE: PerkinElmer offers a complete solutions for a range of library preparation applications including [nucleic acid isolation](#), [NGS automation](#), [single cell RNA-seq](#), [library preparation reagents](#), and [nucleic acid QC](#). To learn more information, visit this [webpage](#).

About PerkinElmer

PerkinElmer is a leading, global provider of end-to-end solutions that help scientists, researchers and clinicians better diagnose disease, discover new and more personalized drugs, monitor the safety and quality of our food, and drive environmental and applied analysis excellence. With an 85-year legacy of advancing science and a mission of

innovating for a healthier world, our dedicated team of more than 16,000 collaborates closely with commercial, government, academic and healthcare customers to deliver reagents, assays, instruments, automation, informatics and strategic services that accelerate workflows, deliver actionable insights and support improved decision making. We are also deeply committed to good corporate citizenship through our dynamic ESG and sustainability programs. The Company reported revenues of approximately \$5 billion in 2021, serves customers in 190 countries, and is a component of the S&P 500 index. Additional information is available at www.perkinelmer.com. Follow PerkinElmer on [LinkedIn](#), [Twitter](#), [Facebook](#), [Instagram](#), and [YouTube](#).

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