APPLIED GENOMICS CALENDAR

Augmented reality content is embedded into the 2018 PerkinElmer Applied Genomics calendar. Download the free Arilyn[®] app on your Apple[®] or Android[®] device from the app store or Google Play[™] to view it.

PerkinElmer[®] For the Better



On behalf of PerkinElmer, we want to wish you a wonderful Holiday Season and a Happy New Year! Thank you for making us a leader in applied genomics.

PerkinElmer's Applied Genomics group is eliminating the challenges associated with genomic analysis by providing labs with complete, single source solutions encompassing everything from sample to solution. By enabling complete application-based solutions, from PCR genotyping, to long-read sequencing, to therapeutic analysis, PerkinElmer increases your throughput while simplifying the generation of accurate, reproducible analysis.

With applications expertise spanning the NGS and PCR workflows from sample to solution, PerkinElmer offers complete, automated solutions for PCR and library prep to produce accurate, reproducible results. These workflow solutions are designed to solve your problems; from improving nucleic acid yields, to increasing throughput, to reducing bias, PerkinElmer has the answer you need.

Our portfolio of therapeutic characterization solutions simplifies small-scale protein purification and subsequent detailed analytical characterization. We offer complete systems to advance your protein research with increased accuracy and throughput; offering greater efficiency, reducing manual pipetting errors, and enabling rapid protein characterization.

We hope you enjoy the new 2018 calendar. This calendar features augmented reality, as a preview of exciting, innovative, and interactive features to come from PerkinElmer's Applied Genomics team.

We truly appreciate you as a customer and look forward to helping you simplify your genomics and proteomics research in 2018!





Download the Free Arilyn® App

Using Arilyn[®] is easy: simply open the app, hold the phone or tablet above a calendar page, and enjoy the enhanced effects. You can download the app on your Apple[®] or Android[®] device from the app store or Google Play[™] to view it.

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LabChip[®] GX Touch[™] Nucleic Acid Analyzer

The LabChip® GX Touch™ Nucleic Acid Analyzer delivers high-sensitivity electrophoresis separation for DNA and RNA analysis, DNA smear analysis, and gDNA integrity analysis in as little as 30 seconds per sample. The system offers significant savings in both time and reagent expense in a low- throughput 24-sample platform, and in a highthroughput platform, accommodating up to 384 wells for high-throughput workflows. For research use only. Not for use in diagnostic procedures.

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Library Preparation Automation Solutions

PerkinElmer offers a portfolio of dedicated workstations offering a choice of pipetting heads, gripper options, and application accessories, providing flexibility in throughput, capacity, and dynamic volume range to meet any of your NGS automation needs. We have developed over 85 library preparation protocols on our liquid handlers, to simplify the automation of your NGS workflows with increased efficiency and reduced manual pipetting errors. For research use only. Not for use in diagnostic procedures.

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NextPrep-Mag[™] cfDNA Automated Isolation Kit

The NextPrep-Mag[™] cfDNA Automated Isolation Kit is a comprehensive, start-to-finish solution for the demands of a high-throughput lab, reliably extracting clean cfDNA at high yields from plasma and serum. Requiring only 15 minutes of hands-on time, the kit is automated on the chemagic[™] 360, MSMI, and Prime[™] Instruments, and is the ideal cfDNA extraction workflow for your downstream applications such as next-generation sequencing. For research use only. Not for use in diagnostic procedures.

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LabChip[®] Protein Clear[™] HR Assay

The Protein Clear[™] HR Assay offers a rapid, high-resolution protein purity assessment enabling the detection and visualization of impurities within a monoclonal antibody sample. This assay features IntelliChip[™] Assay Optimization Technology, which offers real-time assay calibration for optimal assay performance, mitigating chip-to-chip and user sample preparation run-to-run variability. For research use only. Not for use in diagnostic procedures.

LabChip[®] GXII Touch[™] Protein Characterization System

The LabChip® GXII Touch™ Protein Characterization System is a powerful analytical tool for microfluidic CE-SDS electrophoretic separation of proteins, offering multiple assays to accelerate protein characterization. Have confidence in your results, with rapid analysis in less than 42 seconds/sample. Choose from multiple assays to characterize concentration, molecular weight sizing, and percent purity for each detected peak within a sample, as well as rapid glycan screening and charge variant analysis for proteins of interest. For research use only. Not for use in diagnostic procedures.

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explorer[™] G3 Integrated Workstations

Custom explorer[™] G3 Integrated Workstations provide innovative application-focused laboratory automation solutions that simplify microplate handling, liquid handling, and detection. With complete high-throughput multimode plate detection, high-content analysis, and liquid handling portfolios, PerkinElmer is uniquely positioned to understand and accelerate your scientific and application goals. For research use only. Not for use in diagnostic procedures.



NEXTFLEX® Barcodes

The NEXTFLEX® Barcodes are indexed adapters that provide unprecedented flexibility and high-throughput capabilities to maximize efficiency and purity for Illumina® sequencing applications. A complete line of barcode adapters are available to meet any of your sequencing needs, with options available for low or high input amounts, low or high throughput, and with single indexes, dual-indexes or Unique Dual Indexes to mitigate index hopping on patterned flow cells. To ensure the highest quality sequencing data, each lot of NEXTFLEX Barcodes is verified by sequencing. For research use only. Not for use in diagnostic procedures.

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PerkinElmer For the Better

chemagic[™] Prime[™] Instrument

The chemagic[™] Prime[™] instrument is a fully automated LIMS-compatible solution for primary sample transfer, DNA and RNA isolation utilizing the chemagic kit, optional normalization, and the setup of PCR and NGS applications. It offers streamlined, walk-away processing of human samples with flexible input volumes ranging from 10 µL - 10 mL. Using the chemagic Prime instrument eliminates cross contamination events. Sample management is simplified, and sample integrity ensured, through the incorporation of a barcode reader for sample tracking. For research use only. Not for use in diagnostic procedures.



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AUGUST

DropletQuant[®] UV-VIS Micro-Volume Spectrophotometer

The DropletQuant[®] Spectrophotometer provides full-spectral micro-volume quantitation scans of 96 samples in fewer than 5 minutes. With sample throughput flexibility, and input volumes of 2 μL, the DropletQuant[®] Spectrophotometer enables a faster time-to-result. For research use only. Not for use in diagnostic procedures.



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Zephyr[®] G3 NGS Liquid Handling Workstation

The Zephyr[®] G3 NGS Liquid Handling Workstation is a simple, easy-to-use system specifically designed for the separation of pre- and post-PCR processes, to help prevent cross-contamination. This workstation offers a walk-away solution which enables the processing of 48 to 96 samples per day. Additionally, many of the most frequently used library prep protocols are available for use with the Zephyr[®] G3 NGS Liquid Handling Workstation. For research use only. Not for use in diagnostic procedures.

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JANUS[®] G3 BioTX Workstations

The JANUS® BioTx Pro Workstations are intuitive, flexible, automated instruments capable of performing parallel small-scale analytical protein purification. A graphical user interface accommodates a variety of screening experiments designed to determine the optimal conditions for purification of biotherapeutic proteins using small-scale, commercially available ion exchange and affinity chromatography solutions. For research use only. Not for use in diagnostic procedures.



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chemagic[™] 360 Instrument

Designed for desktop use, the chemagic[™] 360 instrument and chemagic kits automate the process of isolating highquality nucleic acids from a wide range of human sample types, with input volumes ranging from 10 µL to 10 mL. The unique chemagic technology eliminates crosscontamination while simplifying the isolation of DNA or RNA from up to 96 samples per run. For research use only. Not for use in diagnostic procedures.



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NEXTFLEX® Small RNA-Seq Kit v3

Randomized adapters reduce ligation bias in the NEXTFLEX® Small RNA-Seq Kit v3, resulting in more accurate representation of abundances of small RNAs in the starting material, and greater discovery rates. The NEXTFLEX Small RNA-Seq Kit v3 offers a completely gel-free protocol, or allows for low-input library prep. This kit replaces gel size selection with a bead purification step. With an alternate protocol, this kit can be used for small RNA library prep with gel size selection from input as low as 5 ng total RNA. For research use only. Not for use in diagnostic procedures.



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