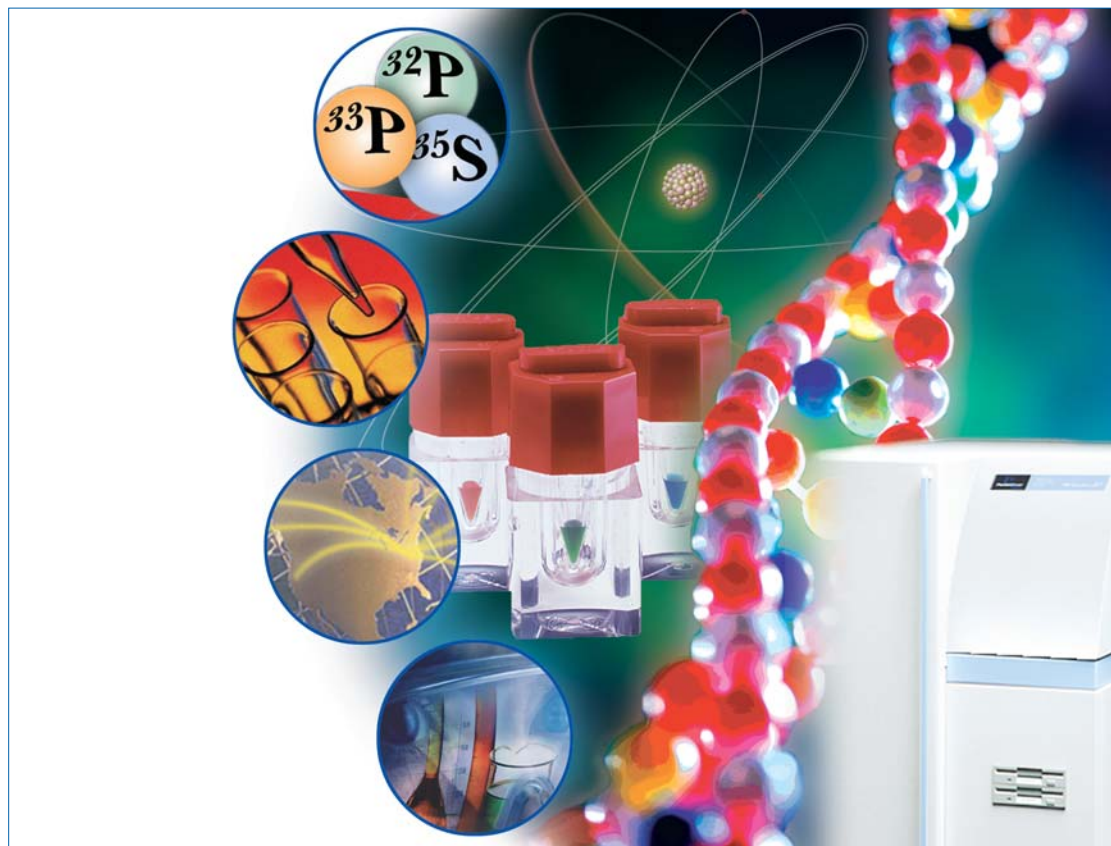


Innovative solutions

addressing urgent needs of your lab



Product Overview

PerkinElmer Life and Analytical Sciences Today

Our **Mission:** enabling customers
to advance science
and improve the way we live



Today, PerkinElmer is fueling science by providing integrated consumables and instrument solutions to laboratories around the world. Our high-quality, application-focused systems are proven products you know and trust. Count on PerkinElmer products to perform consistently and reliably, as well as our OneSource laboratory service for unparalleled global reach and responsiveness.

To fuel your science, contact your local sales representative today.

Visit our Web site at
www.perkinelmer.com/lasoffices.

Radiometric Counters



MicroBeta® TriLux & JET Scintillation and Luminescence Counters

If you need a sensitive counter that can handle a variety of applications in different sample formats, choose the MicroBeta® counter. This scintillation and luminescence counter detects alpha, beta, gamma and glow luminescence. Add the optional JET, and you'll get flash luminescence detection capabilities.



TopCount® NXT Scintillation and Luminescence Counter

When you need performance, sample capacity and throughput, choose the TopCount® counter. The TopCount Scintillation and Luminescence counter delivers high-efficiency, low background counting of alpha, beta, gamma and glow luminescence samples in most common microplate formats.



Tri-Carb® Liquid Scintillation Analyzers

These Tri-Carb® liquid scintillation analyzers are designed to meet the challenges of today's alpha and beta counting applications from basic research to the most demanding, low-level requirements of environmental analysis, metabolism research, ADME studies and radiocarbon dating.



FSA-Flow Scintillation Analyzers

On-line radio-HPLC detection of beta, gamma and positron emitters. The new PerkinElmer Radiomatic 610TR and 625TR Flow Scintillation Analyzers continue the tradition of superior detection sensitivity, validated performance and proven reliability. Not only do these instruments offer the latest technological innovations with patented TR-LSC electronic background reduction, luminescence correction and multichannel analysis, the 610TR and 625TR now also provide the latest in easy-to-use chromatography software with the ProFSA software.



Cyclone™

The Cyclone storage phosphor system performs filmless autoradiography of gene arrays, electrophoresis gels, blots, thin layer chromatography samples and tissue sections. Helical laser scanning phosphor storage system for imaging all radioisotopic samples.



Oxidizer

The Oxidizer utilizes the patented "open/close" flame oxidation technology. The result: an oxidizer that will expand your experimental designs in liquid scintillation counting. Combustion of sample material increases accuracy in LS counting because there is a sample preparation system for single- and dual-labeled ^3H and ^{14}C samples.

Radiometric Counters



WIZARD® Automatic Gamma Counters

WIZARD Automatic Gamma Counters are designed for superior counting performance with all types of samples and for every gamma counting application. Unique well-type detectors and sample changer system, advanced robotics and highly effective lead shielding resulting in high-counting efficiency, constant background and minimal crosstalk. In short, WIZARD delivers counting performance unachievable by any other gamma counters.



QUANTULUS™ Ultra Low-Level Liquid Scintillation Spectrometer

Superior Dedicated Environmental System. When you need a dedicated environmental ultra low-level liquid scintillation spectrometer that provides optimal counting performance in a setting where throughput is less important, choose the 1220 QUANTULUS.

Non-Radiometric Readers



VICTOR³™ V

Fluorescence, absorbance, UV absorbance, luminescence, time-resolved fluorescence, fluorescence polarization.



EnVision® Multilabel Plate Reader

Turbocharged for superior performance in reading: fluorescence intensity, fluorescence polarization, time-resolved fluorescence, luminescence, absorbance and AlphaScreen™.



LS 55 Fluorescence

Offers flexibility, versatility, reliability and ease-of-use for fluorescence, phosphorescence and luminescence measurements from cuvettes and plates.

Ultra-High Throughput CCD Imager System



LumiLux™

LumiLux Cellular Screening Platform offers a paradigm-shift in live-cell calcium flux screening: lower costs, increased productivity, and vastly improved quality – all in one package.



ViewLux™

Ultra-high throughput microplate imager for fluorescence polarization (FP), fluorescence intensity, time-resolved fluorescence (TRF), luminescence and absorbance and radiometric assays.



CellLux™

CellLux cellular imaging platform is a versatile system, for both kinetic and end-point fluorescence assays, and can be used for assay development, primary and secondary screening within the drug discovery process. Applications capability include calcium flux assays (Fluo-3, Fluo-4, Fura 2, and more), membrane potential assays, simultaneous FRET assays (ion channel assays using voltage sensitive probes) and luminescence.

MicroArray



SpotArray™ 24/72

Compact and light-weight contact spotters that print microarrays with unparalleled speed and precision. Equipped with environmental and humidity control to ensure accurate and consistent printing, and many sensors to ensure error-free operation.



Piezorray™

Non-contact microdispensing system designed specifically for pipetting subnanoliter volumes for the fabrication of dense arrays. Piezotip™ technology is ideal for handling more viscous samples for protein, antibody and cell lysate applications. Capable of printing in a highly quantitative manner with the precision and reproducibility unmatched by contact printers.



ProteinArray™ Workstation

Flexible, fully automated system for processing multiple protein microarrays based on standard microscope slide formats and the novel 3-D HydroGel™ substrate.



ProScanArray® HT

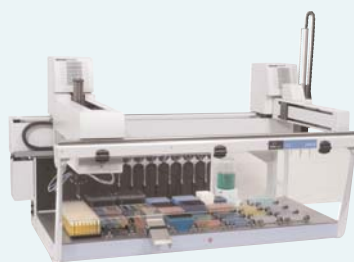
Confocal scanning of genomic or protein arrays on standard 1" x 3" microscope slides with true five micron scan resolution and greater than four logs of linear dynamic range. Wavelength upgradeable supporting over 70 fluorescent dyes and two, three and four-color applications including gene expression, genotyping and SNP analysis. Software provides integrated quantitation features for genomic and protein array with ability to automatically generate standard curves and absolute quantitation of protein spots.

Automation and Liquid Handling



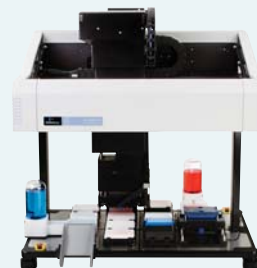
FlexDrop™

The FlexDrop systems provide rapid dispensing of reagents, buffers, solvents and cells for plate preparation and assay development. Dispense up to four reagents into 96-, 384-, 1536-well shallow and deepwell microplates. For additional capacity, the FlexDrop EX and EXi models include stackers for automated processing of up to 50 microplates.



JANUS™ Workstation

The new JANUS Automated Workstation delivers efficient automation of sample prep for pharma, biotech, and research applications. Available with four- or eight-tip pipetting arm PLUS an optional plate movement arm on a single workstation. Liquid transfers in a multitipped mode from any combination of laboratory containers including 384-well formats for complete and flexible assay automation.



Evolution™ P³

A precision liquid handling processor for higher throughput 96-, 384- and 1536-well microplates. Automates a variety of applications from plate replications and sample purification through to assay and reaction set up.



MiniTrak™

Ultra-high throughput systems for automated liquid handling. Multitasks by combining robust and fast conveyor-based movement with precision dispensing, plate washing, filtration and barcode scanning. Achieving capacities demanded by high-throughput drug discovery and genomics facilities.

Proteomics



prOTOF™ MALDI-TOF

Mass accuracy and stability across a wide mass range, making possible much higher rates of successful protein identification.



ProXCISION™ Proteomics Gel Cutting Robot

High-precision excision of spots from 2-D gels and bands from 1-D gels.



ProXPRESS™ 2D Proteomic Imaging System

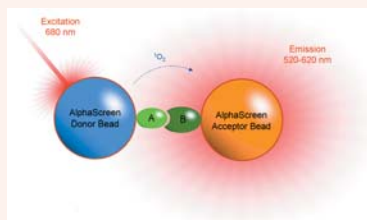
Highly sensitive imaging system for both proteomic and general life science research applications.



UltraVIEW™ Live Cell Imager

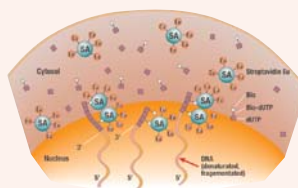
Unique, high-resolution confocal microscopy tool that captures real-time 5-D images of living cells.

Reagents



AlphaScreen™

The most sensitive reagent kit for cell signaling, receptor-ligand, protein interactions studies.



DELFI[®] / LANCE[®]

Time-resolved fluorescence technology for immunoassays, cell signaling, detection of virus and microbes.



Cytotoxicity test

Sensitive, non-radioactive assays to study different aspects of cell growth and cell death.



Radiochemicals

For over 40 years, PerkinElmer's NEN Radiochemicals have been the standard for reliability, quality and scientific and manufacturing innovation. So go with the name you trust – NEN Radiochemicals from PerkinElmer.

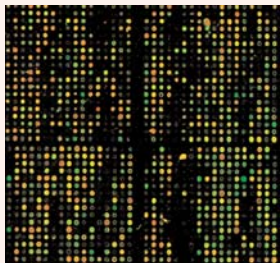
- **Fast and reliable worldwide delivery** available in **NENSure™ vial packaging** for safe, leak-proof shipping and storage of radioactive materials. No vial is safer or easier to use
- **Wide selection of catalog items to choose from** – ¹⁴C, ³H, ³²P, ³³P, ³⁵S, ¹²⁵I, ⁵¹Cr and more!
- **Broad array of custom radiolabeling and synthesis capabilities.**
Almost any compound, almost any isotope!



Radiotherapeutic Nuclides

PerkinElmer offers many of the leading isotopes including: Yttrium-90, Lutetium-177, Chromium-51, Phosphorus-32, and Iodine-131 as well as numerous others for research and investigational use in disease diagnosis and therapy. Through its manufacturing expertise, only PerkinElmer has the production capacity to meet your research needs. And our worldwide distribution network will assure delivery to many areas of the world soon after production.

Reagents



Fluorescent and Hapten labeled Nucleotide Analogs

Extensive lines of dideoxynucleotide, deoxynucleotide, ribonucleotide analogs for direct fluorescence and indirect chemiluminescence, colorimetric or Tyramide Signal Amplification (TSA) detection in ISH, genotyping, SNP and microarrays.



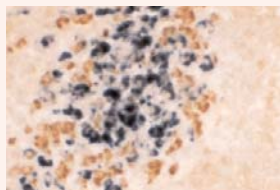
Protein labeling and detection

Whether you're using chemiluminescent, chromogenic or radioisotopic methods, you can turn to PerkinElmer for economical products of the highest quality available, the convenience of one-stop shopping and exceptional technical support.

FlashBlue

FlashBlue GPCR beads

Scintillating beads for GPCR binding assay for all phases of screening assay development through HTS profiling studies.



TSA™

Tyramide Signal Amplification (TSA™) is a patented technology that amplifies both chromogenic and fluorescent signals in standard immunohistochemistry protocols. The result is a **significant increase in sensitivity**, without loss of resolution or increase in background. Because TSA is a signal amplification technology, it eliminates the need for target amplification (PCR) sometimes used in situ PCR when low or single copy genes are present. By using TSA in immunohistochemistry applications, unamplified detection levels can be maintained while utilizing up to 1,000-fold less primary antibody.



Receptor ligand binding assay

- DELFIA® Ligands
- CytoTools Recombinant Baculoviruses
- [FP]2™ Receptor Binding reagents
- ScreenReady Targets
- Radiolabeled Ligands
- SignalScreen® Cloned Receptors
- Membrane Target Systems (MTS)
- Stable Mammalian Cell Lines

Reagents



AcycloPrime-FP SNP kit

Detect known Single Nucleotide Polymorphism (SNPs) from genomic DNA.



Luminescence Products

Luminescence kits for reporter gene assay, ATP detection and kinase applications.



BRET²™

BRET² (Bioluminescence Resonance Energy Transfer) is an advanced, non-destructive assay technology that is designed to monitor protein-protein interactions and intracellular signaling events in live cells.



Genetic screening/clinical diagnostics

Provides innovative products, services and complete solutions to advance preventive medicine in child, adult and maternal health.



Liquid scintillation cocktails

PerkinElmer offers an extensive range of liquid scintillation cocktails, solid scintillators and tissue solubilizers. All of these products are designed to meet the highest standards of performance, user safety, environmental safety and user convenience.



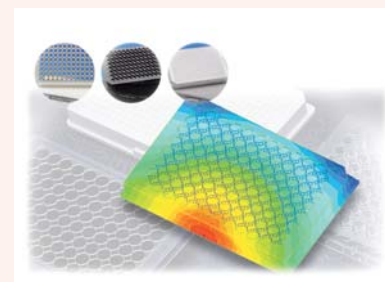
Consumables

Provides extensive range of consumables for harvesters, liquid scintillation counting and gamma counting.



FlashPlate®

Flashplate is a white polystyrene microplate, designed for high-volume, homogenous radiometric assays, based on the principle of scintillation proximity. The interior of each well is permanently coated with a thin layer of polystyrene-based scintillant which provides a better platform for non-separation assays using a variety of isotopes (e.g. ³H, ¹²⁵I, ¹⁴C, and ³³⁰) without the addition of liquid scintillation cocktail. Flashplate is available in both 96-well and 384-well formats.



Microplates

High-quality, application-focused microplates in exactly the type, size and color you need.

Chromatography



Clarus® 500 GC

The Clarus 500 GC offers a whole new approach to the way you interact with your GC instrument – an intuitive touch-screen interface features real-time signal display and eight-language support.



Clarus® 500 GC/MS

The Clarus 500 GC/MS features a wealth of innovative technology to provide the most complete characterization of your samples, with greater ease and in less time than ever thought possible.



TurboMatrix™ Sample Handling

Based on years of proven experience in GC sample handling and introduction, the TurboMatrix Headspace Samplers and Thermal Desorbers can be interfaced to almost any GC system, giving you access to PerkinElmer's proven technology, regardless of the GC brand or model.



Complete GC Solution

Continuing its 50-year tradition of GC innovation, PerkinElmer is the only supplier that manufactures and sells a complete single-vendor solution, from sample handling to data handling.



TotalChrom® Chromatography Data Systems (CDS)

Streamlining laboratory workflow and maximizing productivity acquiring, processing, reporting, reviewing and approving data is a streamlined series of operations in TotalChrom Chromatography Data Systems (CDS). With its scalable architecture, 21 CFR Part 11 compliance features and proven algorithms, TotalChrom offers a computing strategy to manage your chromatography data quickly and securely.



Series 200 UV/Vis HPLC System

Designed to meet the challenges of your laboratory the Series 200 is the workhorse relied upon by some of the world's largest HPLC laboratories. We're confident it will meet and exceed the LC demands of your lab, because each component – our detector, pump, autosampler and CDS – have proven track records behind them.



Series 200 Photo Diode Array System

Setting the standard for method development and advanced UV detection. The system is fully controlled from a single point for all data handling and instrument parameters. It's fully scalable and expandable to meet the needs of growing laboratories. While available in numerous configurations, this system includes the Series 200 Diode Array Detector, Autosampler and Pump as well as IRIS Spectral Processing and Turbo Method Development Software.



Radio Flow HPLC System

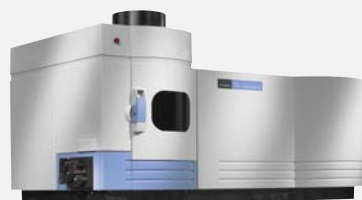
Proven reliability combined with superior detection technology. The Radio Flow HPLC system combines the Series 200 Pump and Series 200 Autosampler with the Radiomatic Flow Scintillation Analyzer to create a unique solution for demanding low-level, radio-labeled sample analysis. A CFR Part 11 software offers a complete approach to method development, direct instrument control, data evaluation and report generation.

Atomic Spectroscopy



AAAnalyst™ Series AA

With a product line that features flame AA, high-performance graphite furnace, standard-setting WinLab32 software and an array of accessories, PerkinElmer AAs are designed to meet your most demanding requirements.



Optima™ Series ICP-OES

When it comes to challenging multielement determinations, the Optima family of ICP-OES instruments leads the pack.



ELAN® SERIES ICP-MS

PerkinElmer SCIEX® continues to provide innovative solutions to evolving customer needs. The ELAN® family of ICP-MS instrumentation offers elemental detection capabilities to meet your needs.



Multiwave™ 3000 Sample Preparation

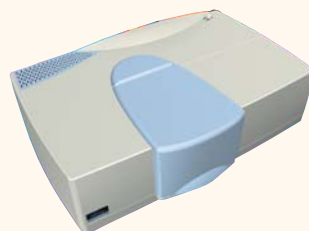
The clear solution for high-throughput microwave-assisted sample preparation.

Molecular Spectroscopy



LAMBDA™ 25/35/45 UV/Vis Systems

Combines best-in-class performance with high productivity and CFR Part 11 compliance.



LAMBDA™ 650/850/950 UV/Vis/NIR systems

High-performance UV/Vis and UV/Vis/NIR systems delivering superior data quality and best-in-class sampling flexibility.



Spectrum™ Spotlight™ 300 FT-IR Imaging Systems

Extracts information about molecular composition from a wide range of materials.



Spectrum™ One FT-IR Spectrometer

Software, sampling accessories and services to help you improve product quality, productivity and analytical processes.

Thermal and Elemental Analysis



Diamond™ DSC with HyperDSC

Obtain the whole story about your sample in your DSC analysis.



Diamond™ TG/DTA

Combines the flexibility of DTA with the proven capabilities of the TG measurement technology.



Diamond™ TMA

Provides a wealth of information on mechanical properties such as modulus, energy dissipation and material stability.



2400 Series II CHNS/O

Raises the standards set by the original 2400 by continuing to offer the speed, precision, ease of use and proven performance.

LABWORKS LIMS & OneSource Laboratory Services



LABWORKS® ES LIMS

Extraordinary customer care. Excellent results.

PerkinElmer has been providing analytical laboratories worldwide with robust information management systems for nearly two decades. Our unique combination of proven methods, deep technical expertise, and unrivaled service and support has made our LABWORKS ES LIMS one of the leading information management systems in the industry.

OneSource®

OneSource®

PerkinElmer OneSource consolidates all the essential maintenance and equipment management needs of laboratories into a complete solution. OneSource offers both the technical expertise needed to directly service and support a wide range of technologies from different instrument manufacturers, and the knowledge to help customers better understand and utilize their equipment assets. Our integrated model lowers costs, improves service levels and gives customers the information they need to make smart business decisions.

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