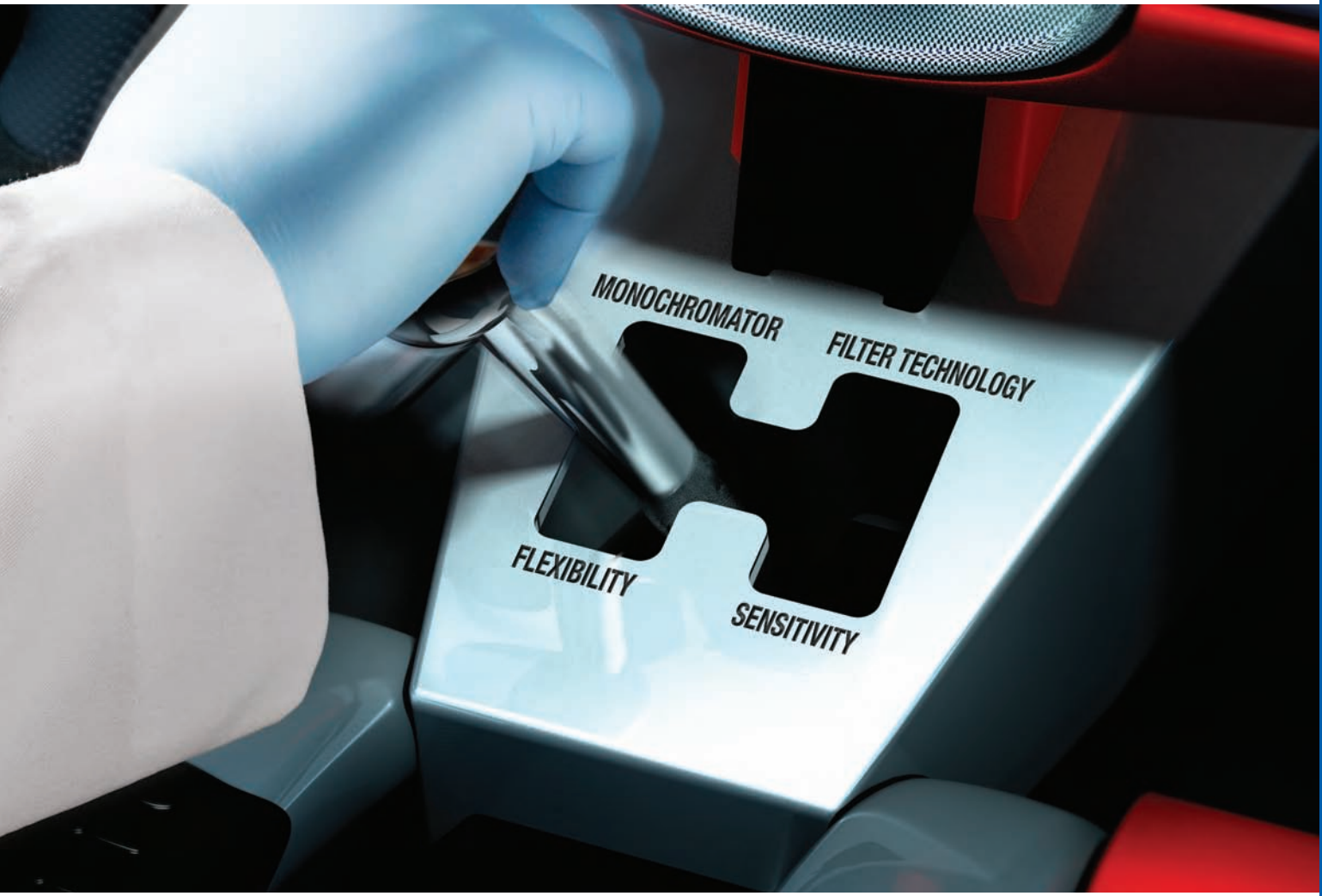
EnVision® Multilabel Plate Readers



Shift your research into high gear

PerkinElmer®
precisely.

EnVision Multilabel
Plate Readers

Faster lead discovery has finally arrived

Now you don't have to choose between the sensitivity of a filter-based system and the flexibility of a monochromator. PerkinElmer brings you both in a single system. With the EnVision Multilabel Plate Reader platform, you have the power to shift effortlessly between detection technologies and applications, driving better hit-to-lead ratios.

PerkinElmer knows what's important to you: speed, sensitivity and flexibility. And now you can have it all in the platform that outperforms other benchtop readers on the market.

EnVision reads all non-isotopic detection technologies, including fluorescence intensity, fluorescence polarization, time-resolved fluorescence (TRF), luminescence and absorbance, in all major applications.

For all major assay applications

- **Cellular Assays:** Below-reading, shaking, scanning and kinetics make EnVision the ideal tool for cellular assays. Temperature control and dispenser options also enable ion channel, flash luminescence, dual reporter gene assays and more.
- **GPCR Assays:** Use fast-reading EnVision with our AlphaScreen®, TRF (LANCE™, DELFIA®) or FP technologies for GPCR assays.
- **Reporter Gene Assays:** Scanning and kinetics capabilities and label-specific optical mirror modules and filters enable GFP assays and dual reporter gene assays using luciferase and beta lactamase.
- **Enzyme Assays:** Perform sensitive kinetic measurements across a wide dynamic range, and high-speed measurements at short-repeat intervals.
- **Genotyping Assays:** Fluorescent polarization mirror module and filters enable SNP genotyping.
- **Quantification Assays:** A wide range of filters and optical mirror modules covering the UV/Vis spectrum enables direct measurement of DNA and protein for ELISAs, including AlphaLISA™, and immunoassays using different labels.

Two choices, many options

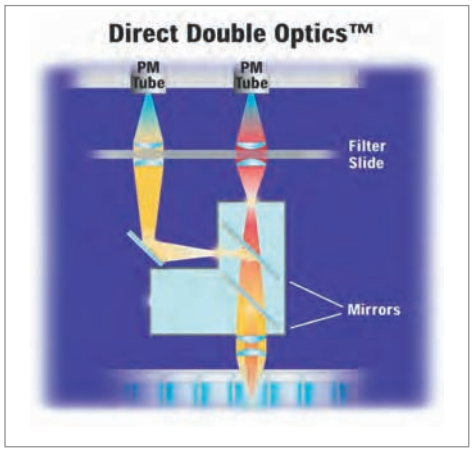
The EnVision portfolio currently includes two instruments. Both feature label-specific optical mirror modules, high-energy flash lamps and high-speed detectors. And of course, only EnVision provides the upgradeability you need for the future.

Key System Features

- Proprietary label-specific, bar-coded optical mirror modules and filters for assay customization and positive ID of measurement configuration.
- Proprietary Direct Double Optics™ deliver a full lens system for maximum speed and sensitivity.
- Supports all main non-radiometric technologies with kinetic and scanning measurements, high-power excitation and acceptance of a wide range of sample formats.
- Easy networking and integration with lab automation systems.

Key Software Features

- Intuitive user interface with real-time operator guidance tools, pre-set user-specific measurement protocols, mathematical curve fitting and auto-save functions for smooth operation.
- Real-time kinetics display.
- Flexible report formatting and automatic data export.
- Optional 21 CFR Part 11 compliance.



Bar-coded Filters and Optical Mirror Modules

EnVision

Fast dual detector

In the past, you've had to compromise when choosing an instrument. The EnVision Multilabel Plate Reader delivers speed and flexibility—without sacrificing the sensitivity so crucial to your research.

- Faster readout for high throughput
- Automatic assay initiation and plate identification

EnVision Xcite

Affordable single detector

If you're looking for a highly sensitive instrument that fits your budget, EnVision Xcite is the optimal choice. Designed to expand with your increasing throughput and applications needs, it delivers outstanding functionality, including:

- Same sensitivity as EnVision for lower throughput applications
- Ability to upgrade as your needs change

A wide range of upgrade options

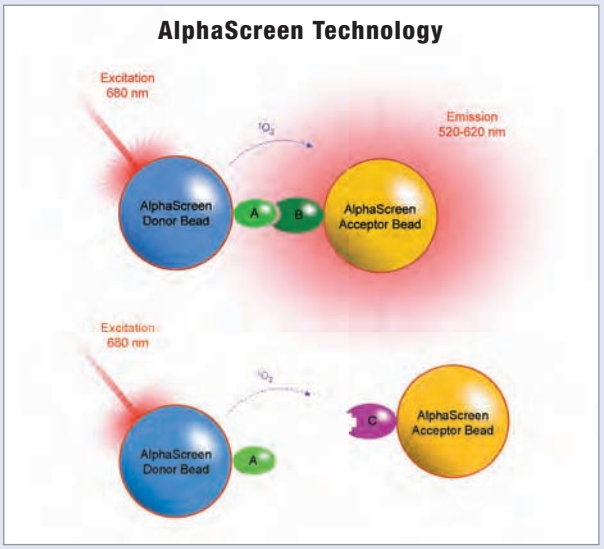
Whether you choose EnVision or EnVision Xcite, you can meet the escalating demands of your laboratory, today and tomorrow. That's because EnVision is the only multilabel reader platform that's upgradeable. There is a wide choice of options, including:

Monochromator: Turn your EnVision into the ultimate plate reader with the flexibility and wavelength scanning of a monochromator:

- Absorbance Monochromator measures absorbance assays
- Fluorescence Intensity Monochromator measures absorbance and fluorescence intensity with a high-performance quad monochromator package

AlphaScreen: With low backgrounds and high S/B ratios, AlphaScreen (**A**mplified **L**uminescent **P**roximity **H**omogeneous **A**ssay) technology is ideal for your most demanding screening assays. EnVision's speed plus AlphaScreen's sensitivity mean high throughput across a broad range of applications:

- Standard Option for medium-throughput screening of up to 37,000 samples per day
- HTS "Turbo" Option for high-throughput screening of almost 100,000 samples per day (includes Enhanced Luminescence Option)

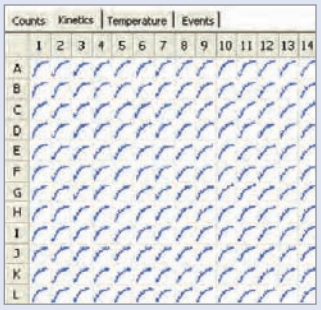


TRF LASER: The TRF LASER greatly enhances time-resolved fluorescence performance by delivering a short, sharp excitation pulse, resulting in superior signal-to-noise ratios. And with our high-sensitivity DELFIA separation assays and fast LANCE homogeneous assays, the specificity of each lanthanide's emission spectrum enables multiplexed TRF assays.

Enhanced Luminescence: When your assays require high sensitivity, this option gives you an additional luminescence detector.

Dispenser: With two pump units, a magnetic stirrer and a heater, the dispenser unit provides the ultimate functionality, including:

- Precise delivery of reagents
- Simultaneous dispensing and reading
- Adjustable dispense speed
- Real-time kinetics live display (shown at right)



Temperature Control: The EnVision temperature control is ideal for cellular and enzyme kinetic assays, which require a defined temperature range. Chamber temperature can be regulated from +2°C above ambient to +45°C (+/- 1°C). The heating time from room temperature to +37°C is less than 10 minutes.

Plate Stacker Option: Available for 20 or 50 plates, plate stackers can be added to increase capacity and throughput. With easy integration into robotic systems and the ability to accept microplates up to 3456 wells, the stacker option greatly increases the throughput of kinetic assays: over 100,000 samples per day when 1536-well plates are used.


Enjoy superior performance
and versatility without compromise.
You'll never look back.

Count on EnVision

EnVision is designed to be customizable, with a modular design that allows you to upgrade as your needs change. You'll get superior sensitivity and unbeatable speed from the most popular benchtop reader on the market. With over 12,000 instrument installations worldwide, we provide researchers with high-quality instrumentation and application expertise. And with more than 1,000 highly trained service engineers in over 60 countries, PerkinElmer has the largest, most well-trained plate reader and liquid scintillation analyzer instrument service organization in the world.

Your sales representative will help you to build the EnVision that's right for you. To contact your local sales representative or receive help placing an order, call 1-800-762-4000. To find your local sales office, visit **www.perkinelmer.com/lasoffices**.

Please visit our Web site at **http://www.perkinelmer.com/platereaders** to view our free **interactive EnVision tutorial** and to find application and reference information.

PerkinElmer, Inc.
940 Winter Street
Waltham, MA 02451 USA
Phone: (800) 762-4000 or
(+1) 203-925-4602
www.perkinelmer.com

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precisely.

For a complete listing of our global offices, visit www.perkinelmer.com/lasoffices

007309B_01 Printed in USA