

ALPHA  
Screen

Luminescence

FRET

ELISA

Fluorescence  
Polarization

UV/Vis  
Absorbance

## VaryScreen I – Multi-Assay Screening System

### Finally, A Versatile Screening & Development System

Experience the new-found freedom and flexibility VaryScreen I brings to assay screening and development for drug discovery research applications and high throughput environments.

### Easily Perform Most Common Assays on One System

There's no need to purchase several dedicated systems for each assay type. Now you can shift from one type of assay to another on the same system – with just a few mouse clicks.

Use pre-defined protocols out-of-the-box for six of the most common biological assays conducted today:

- UV-Visible Absorption
- Fluorescence Polarization (e.g., HitHunter™ IP3)
- FRET (including variations e.g., LANCE and VIPR)
- Luminescence (e.g., Luciferase Reporter)
- ELISA
- AlphaScreen

Introduce countless variations with user-friendly software modifications.

### Accelerate Assay Development, Validation and Execution

Easily evaluate the impact of various changes in assay conditions to develop, model and validate your in-house screens.

- Assess and make subtle changes in experimental conditions, e.g., solvents, stoichiometry, pH, temperature, time.
- Determine the importance of individual steps, e.g., incubation, agitation, filtration.
- Introduce intelligence into protocols, e.g., implement complex control structures or schedule e-mail alerts or responses to milestones.

Walk up and use any of the individual components, even when screening is in progress.



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## An Integrated Workcell You Can Customize

- Integrates laboratory instrumentation with plate and liquid handling robots and software to automate all aspects of an assay.
- Core configuration includes a multimode microplate reader with fluorescence, luminescence, and UV-Visible detectors.
- Add new features to carry out specific functions you need.

### VaryScreen I – Core System and Configurations to Meet Your Needs

Hudson Liquid Handling Tools	Additional Tools	Common Add-Ons	For Increased Functionality**
Micro10™ 12-Channel Dispenser	Multimode Microplate Reader*	Hudson Print & Apply Barcode Labeler	Hudson AutoReact™ Mini-Bioreactor
SOLO™ Single Channel Pipetter	ELx405 Plate Washer	Mettler-Toledo WXS205DU Automated Balance	Guava EasyCyte™ Flow Cytometer
<b>Hudson Plate Handling Tools</b>	TeleShake™ Microplate Agitator	Hudson RSH-4000™ Plate Sealer	Hudson RapidPick™ Colony Picker
PlateCrane EX™	Liconic STX40 Incubator	VaryVac™ Vacuum Filter	MDS FLIPR™
StackLink™ and TrackLink™		96-Channel Pipettor	

\* Several multimode readers are available for VaryScreen multi-assay capabilities, including Biotek Synergy™ 4, BMG LabTech PolarStar Omega, or Perkin-Elmer Envision.

\*\* For example: add a colony picker and/or a bioreactor to vary key assay parameters from the genomics and proteomics side; or add a flow cytometer, HCS camera or FLIPR to perform even more assays with increased complexity.

## Easy-to-Use, Powerful Software

- SoftLinX™ Software (included) gives you a powerful multitasking scheduler for planning and running the VaryScreen I workcell.
- SoftLinX™ controls all robot actions for efficient, coordinated operation of the integrated workcell.



SoftLinX™ Operating Screen with Method Editor and Workcell Setup GUI.

## See How Flexible Your Lab Can Be

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 **Hudson Control Group**  
Customized Solutions in Microplate Automation and Robotics

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