

## Kinetic Cell Imaging with the Molecular Devices ImageXpress Pico and the S-LAB™ Pro Automated Plate Handler



### Introduction

The need for high throughput imaging has necessitated the need to automate laboratory instruments and processes. Increased productivity, reduced cost and consistent performance is available when combining your Molecular Devices ImageXpress Pico with the S-LAB Pro plate handler from PAA. Following the changes to cell form, health and growth can lead to a better understanding of biochemical pathways.

### Molecular Devices ImageXpress Pico

The ImageXpress Pico from Molecular Devices offers laboratories increased throughput while combining high-resolution imaging with powerful data analysis. This user-friendly instrument contains over 25 comprehensive preconfigured analysis protocols enabling you to run fluorescence imaging or brightfield assay samples and see results in minutes. Fully integrated with an Inheco SCILA 4-Position CO<sub>2</sub> incubator (pictured above), or a larger incubators like the Thermo Cytomat range or LiCONiC range you will be able to do live cell assays including kinetic assays.

### S-LAB Pro plate handling

The PAA S-LAB Pro plate handling system is an entry level automation solution designed for easy installation and use. The S-LAB plate handler

operates standalone, offering unattended loading and unloading of plates into the Molecular Devices ImageXpress Pico instrument with full plate tracking. With a barcode reader and delidding functionality as standard options, the S-LAB plate handler offers a reliable, flexible, and easy-to-use automation solution.

### Assay Manager™ user interface

PAA's Assay Manager™ user interface takes you through setting up your assay. Multiple users can run one or more batches of plates with identical, rising or falling incubation times between plate imaging. Walk-way and leave you experiment to run even if it takes several months! Information of instrument usage is displayed via a calendar function so it will be clear when you can run your samples.

### Summary

The Molecular Devices ImageXpress Pico and S-LAB Pro automation platform is optimized to work together, enabling a reliable solution to unattended sample analysis. Contact PAA if you would like advice on how to automate your instruments to increase productivity with unmatched value.

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