StakMax Microplate Stacker
Walk-away automation for benchtop microplate readers

Key Features
- Integrates with SpectraMax® Readers
- Robust and reliable
- Easy to set up and use
- Flexible operation
- Leverages the power of SoftMax Pro Software

A key factor in achieving higher throughput in laboratory experiments is the ability to easily process batches of microtiter plates. Options for automating this process are often expensive, hard to use, or problematic. To address these roadblocks, Molecular Devices® has developed the StakMax® Microplate Stacker. The StakMax System is an easy-to-set-up, powerful, and reliable stacking solution for microplate readers from Molecular Devices. The system is operated through the industry-leading SoftMax® Pro Microplate Data Acquisition and Analysis Software and provides an easy-to-use interface for both novice and advanced users alike. The StakMax Stacker provides options for 20-, 40-, and 50-plate magazines, and barcode reading.

Simple to use
The integration of the StakMax System with a microplate reader is simple and user-friendly. All the tools necessary for setup come standard with the system, including a software calibration procedure. The entire setup process takes approximately 15 minutes and, once the system is aligned, it is ready to operate. The StakMax Stacker is programmed through SoftMax Pro Software for easy setup of batches or single-plate operation.

Flexible operation
The StakMax Stacker offers flexibility in configuring and operating the system. The system comes with a single plate loading adapter and a choice of magazines for 20, 40 or 50 SBS-standard 96- and 384-well microplates. Users can choose to process all plates within the magazine or select a specific number. The StakMax Stacker also allows users to feed plates into the loading area manually.

A barcode reader accessory can be purchased with the system or added later and is easily installed onsite. The barcode reader can be configured to read either the short or long side of the microplate.

Leverages SoftMax Pro Software
All of the StakMax system’s configuration options are controlled through the standard SoftMax Pro Data Analysis Software. The system is also compatible with SoftMax Pro GxP Software, enabling bioassay validation in a secure FDA 21 CFR Part 11, GLP-/GMP-compliant environment.
Reliable, robust automation
Molecular Devices has over 25 years of experience working with automation in the life sciences industry. We have leveraged this knowledge to develop a robust, reliable solution for automating microplates. With its superior reliability, users can set up the StakMax System for "walk-away" batch processing, which means less hands-on time processing plates.

Compatibility
The StakMax System requires SoftMax Pro Software version 5.1 or greater and is compatible with the following benchtop microplate readers:

- SpectraMax® Paradigm (multi-mode)
- SpectraMax® M5e/M5 (multi-mode)
- SpectraMax® M4/M3 (multi-mode)
- SpectraMax® M2e/M2 (dual-mode)
- Gemini™ EM and Gemini™ XPS (fluorescence)
- SpectraMax® L
- SpectraMax® Plus®384 (Serial#-MNR-xxxxx)
- SpectraMax® 340PC®384 (Serial#-LNR-xxxxx)
- SpectraMax® 190 (Serial#-NMR-xxxxx)
- VersaMax™ (Serial#-BMR-xxxxx)

Easy batch setup
StakMax System Control Window: With a few mouse clicks, users can set up a batch process, all using existing SoftMax Pro Software protocols.

Ordering information
Please contact your Molecular Devices representative for configuration options.

StakMax Microplate Stacker
Part Number: STAKMAX
20-plate magazine (pair)  Part Number: 0200-6016
40-plate magazine (pair)  Part Number: 0200-6017

Powerful data analysis tools
Complete data analysis for multi-plate assays and over 120 assay protocols are included with SoftMax Pro Software. Optional GxP compliance tools available.

Flexible integration options
Integrate SpectraMax Absorbance, Fluorescence, Luminescence, and Multi-Mode Readers. System setup and calibration are controlled from within SoftMax Pro Software.

Technical specifications

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