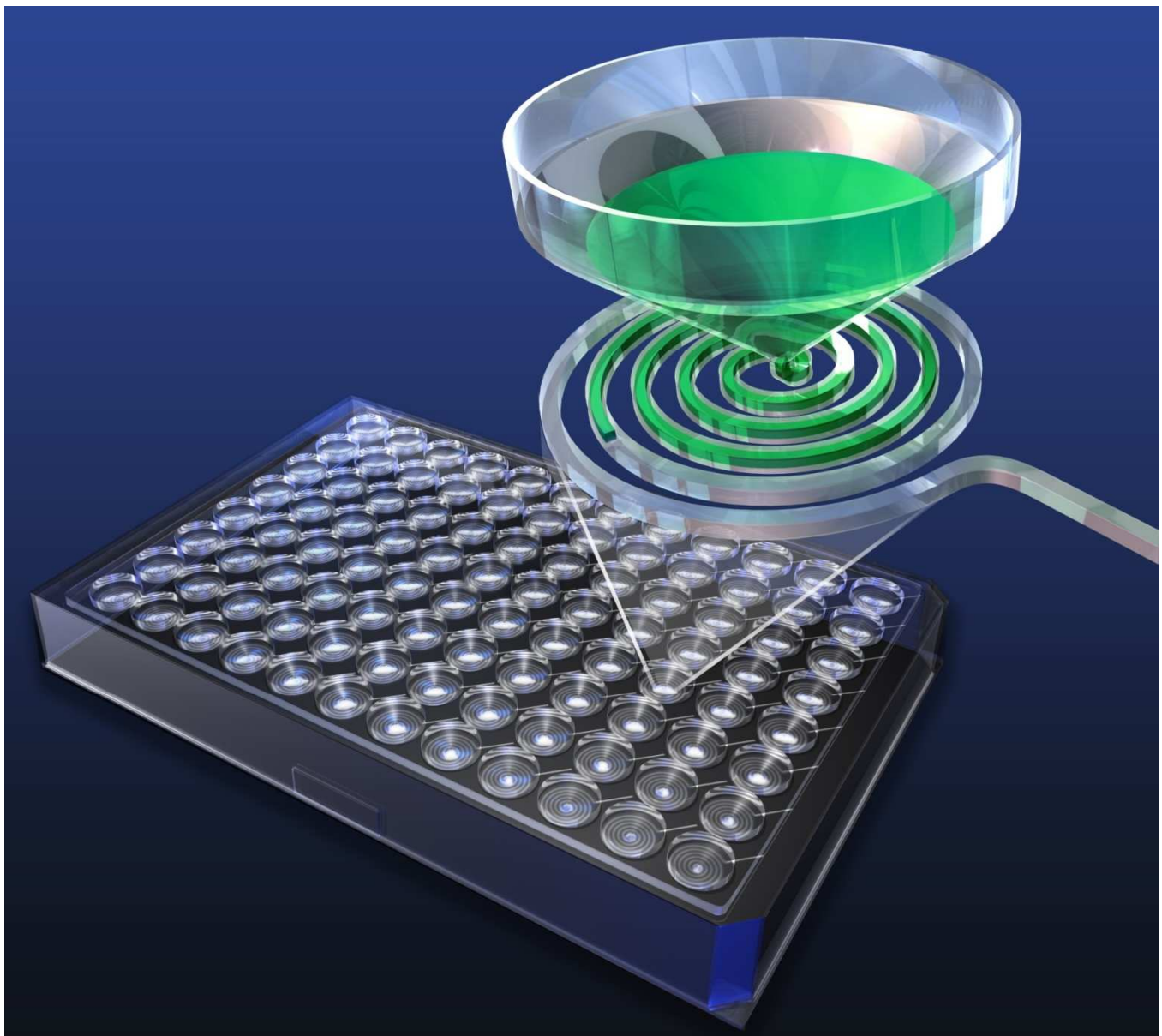


TECHNICAL NOTE

**TN0006: Optimiser™ Microplate System (ELISA) Setup Guide on the
Molecular Devices SpectraMax® M Series Microplate Reader**

OPTIMISER™

THE NEXT GENERATION OF MICROPLATES



*Better Immunoassays through
Innovative Microfluidics*

READER SETUP WITH MOLECULAR DEVICES SPECTRAMAX® M SERIES:

The Molecular Devices SpectraMax® M series Multi-mode Microplate Reader with fluorescence function has been tested for compatibility with Siloam's Optimiser™ microplate System in ELISA assay with OptiGlow™ chemifluorescent substrate. Please refer to the Optimiser™ Technology page on Siloam's website for more details on the principles behind the Optimiser™ microplate platform. For more detailed information of SpectraMax® M series reader or software, please contact Molecular Devices' technical support.

Recommended Optics

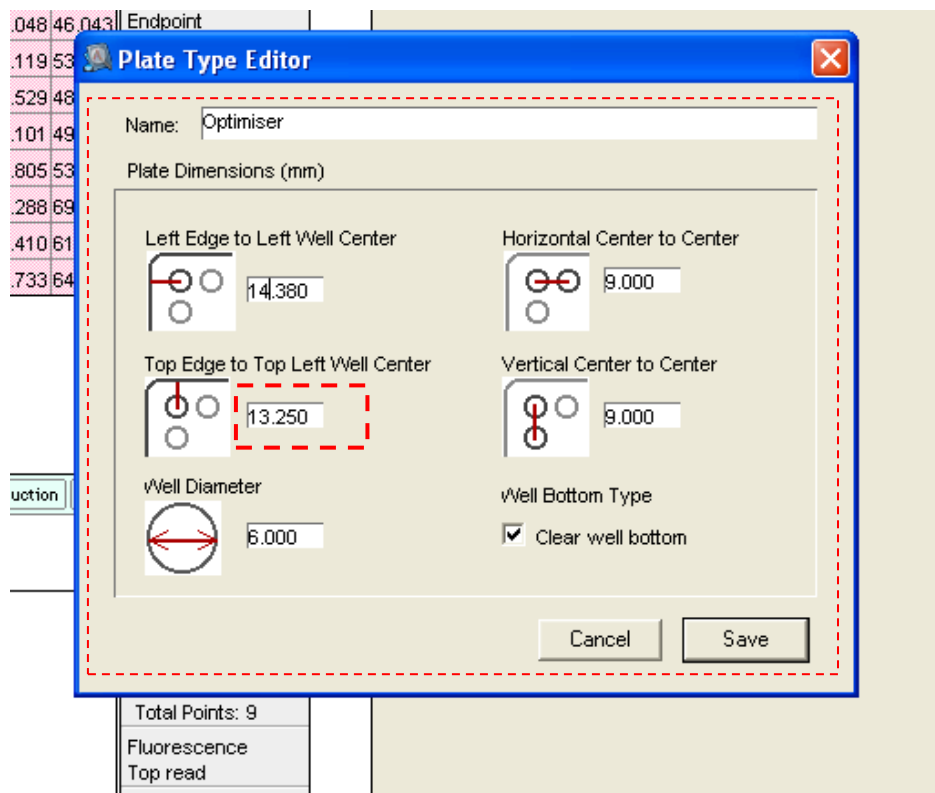
	Wavelength
Excitation	529 nm
Emission	590 nm

Instrument Setup

Turn on the plate reader, and open up Molecular Devices SoftMax Pro software on computer.

Step 1- Edit the Plate Type

SpectraMax® reader has unique optic design. In order to achieve best reading performance, the plate type needs to be modified from standard 96-well plate. Go to "protocol" and select "Plate Type Editor", create a new plate, then input the value as below. Then save the plate type.



Step 2- Protocol Setting

Go to the protocol setting, select “Endpoint”, and then set each parameter as follows:

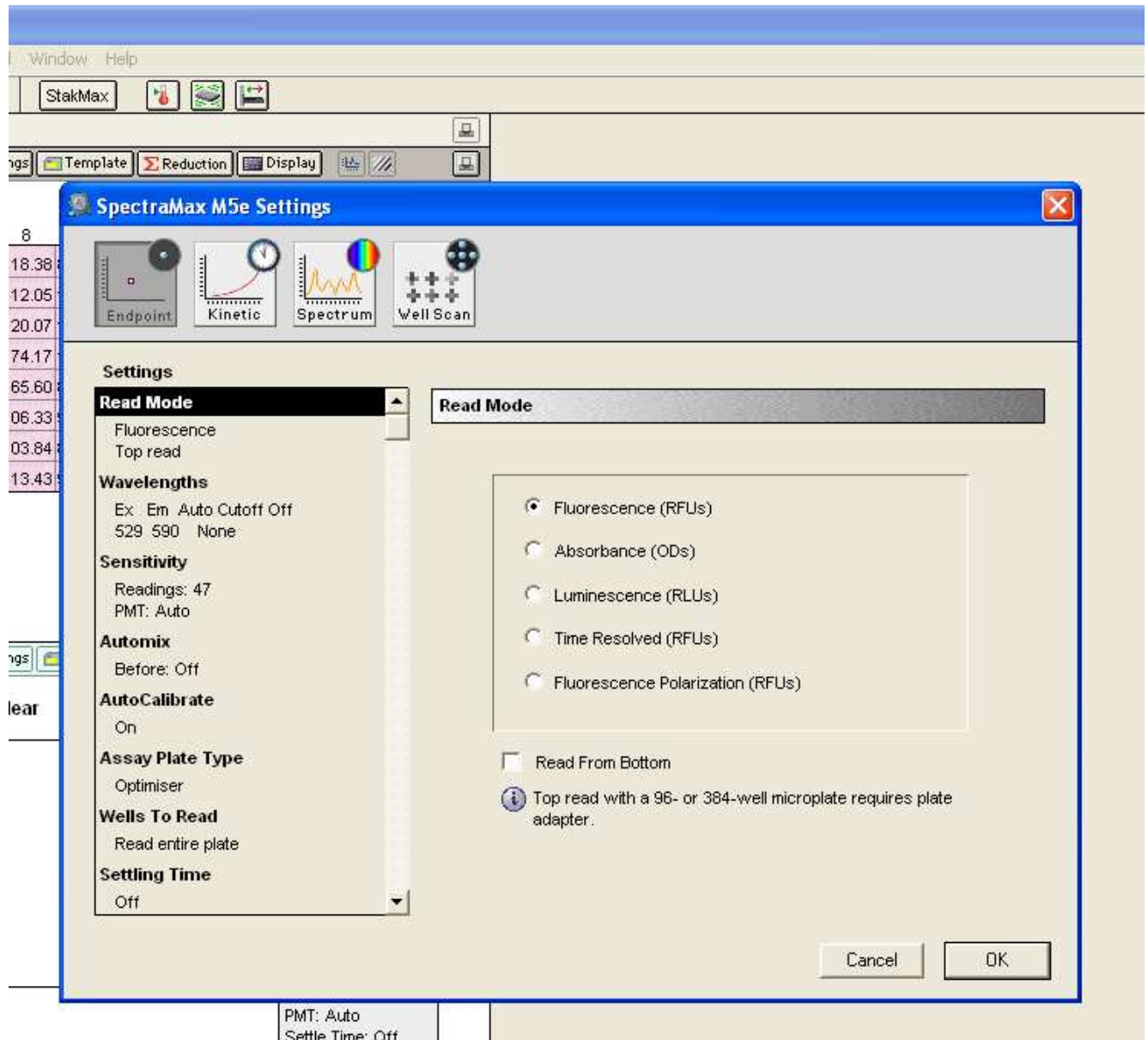
Read Mode: Fluorescence, Top read

Wavelength: Ex 529, Em 590

Sensitivity: Unlike of most other readers, the gain/sensitivity SpectraMax® M series reader cannot be adjusted. Please select “auto”

Assay Plate Type: Select the plate type set in step 1.

Select the wells to read, leave all other setting as default.



Remember to put the Molecular Devices' 96-well adapter (supplied with reader) in the carrier, which is required for any top reading of 96-well plate for SpectraMax® M series.

Technical Assistance: If you require assistance, please contact Siloam Biosciences, Inc. Technical Support at +1 (513) 429-2976 or techsupport@siloambio.com.

Additional technical assistance is available under the Technical Support tab on the Siloam Biosciences web site (<http://siloambio.com/>).

- Using Optimiser™ Immunoassay Microplate Video
- Optimiser™ User's Guide
- Reader Settings
- Quick Reference Guide
- Frequently Asked Questions
- Application Notes

Two additional videos appear under the Technology tab of the web site.

- Optimiser™ Principles of Operation
- Running an Assay with Optimiser™



Better Immunoassays Through Innovative Microfluidics

Siloam Biosciences, Inc.

413 Northland Blvd., Cincinnati, OH 45240
USA

Phone: +1 (513) 429-2976

Fax: +1 (513) 429-2946

www.siloambio.com