

Absorbance



Luminescence



Plate Washing



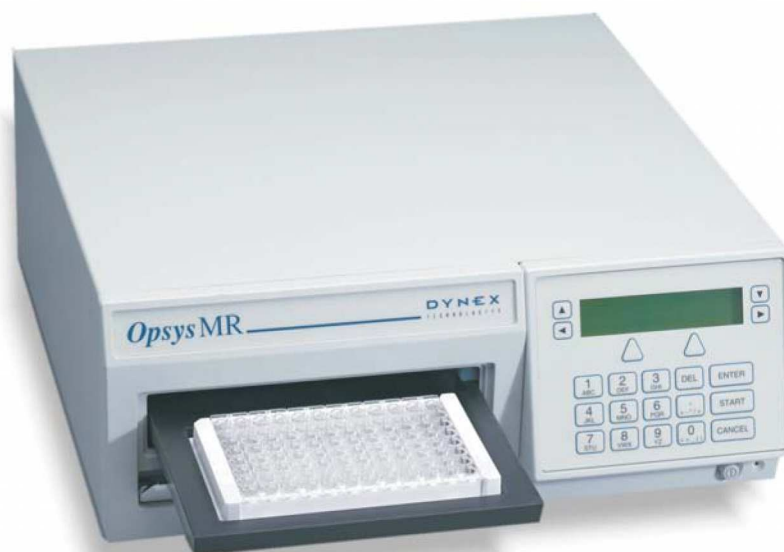
Automated  
Processing



Software



Consumables



The Leading  
Light in  
Microplate  
Absorbance

# Opsys MR™ Microplate Reader

*A NEW ERA IN DESIGN SIMPLICITY*

Experts In Microplate Analysis

**DYNEX**

**MAGELLAN BIOSCIENCES**

Contact DYNEX Technologies, Inc.  
for additional information and  
a product demonstration at  
800-288-2354 703-631-7800

The Opsys MR™ 96-well microplate reader provides flexible assay design and extensive data reduction for most colorimetric applications. Available as a stand-alone unit or externally controlled by a PC and Windows® Revelation QuickLink™, the Opsys MR is an affordable choice for any research or clinical laboratory.



### Simple to Install

- ◆ Plug in and turn on: pre-installed lamp and filters in 6-position filter wheel
- ◆ Installation and assay program training provided on CD-ROM

File Settings View Utility Window Help							
LYME	BRADFORD	CMV	IL-2	HIV-1	MTT	snRNP	TITER
<b>DYNEX Revelation QuickLink 1.0</b>							
Assay type	• Endpoint						
Assay title	• Bradford - Protein Determination						
Password	•						
Written by	•						
Prefix	•						
Suffix	•						
Reporter	• Laboratory information						

### Opsys MR Revelation QuickLink Quick Buttons

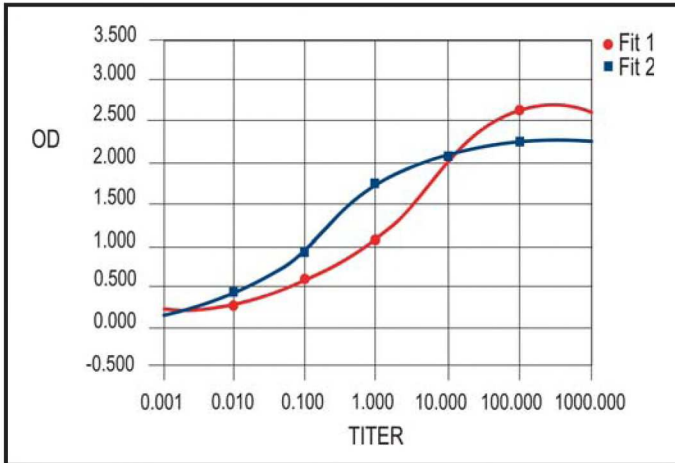
Program to 8 Quick Buttons (e.g. LYME, MTT, etc.) which provide one-touch access to your most commonly used assays. Select the assay of interest, enter plate ID, read the plate and generate your data within seconds.

### Simple to Operate

- ◆ “Quick Buttons”: one-touch access for the most commonly used assay programs
- ◆ Read single, dual or multiple wavelength applications from 405nm to 690nm
- ◆ Saves 100 assays and 20 data files
- ◆ Assay Design Flexibility
  - User-definable templates
  - 8 blanking options
  - Quality control of raw data
  - Customized data conversion equations

## Comprehensive Data Reduction

- ◆ 8 curve fit options
- ◆ Determine sample concentration
- ◆ Analyze mean, standard deviation and coefficient of variation
- ◆ Multiple curves per graph
- ◆ Threshold analysis



### Multiple Curves

Revelation QuickLink displays up to 12 different curves on the same graph.

	1	2	3	4	5	6	7
<b>A</b> th cf	BLANK B1 *****	***** ***** *****	***** ***** *****	***** ***** *****	***** ***** *****	0.001 NC1 *****	
<b>B</b> th cf	0.994 Ref1 99.098	0.996 Ref1 *****	1.000 Ref1 *****	***** ***** *****	***** ***** *****	0.000 NC1 *****	
<b>C</b> th cf	***** ***** *****	***** ***** *****	***** ***** *****	***** ***** *****	***** ***** *****	***** ***** *****	
<b>D</b> th cf	0.496 S1 50.000	0.504 S1 50.000	***** ***** *****	***** ***** *****	BLANK B2 *****	BLANK B2 *****	
<b>E</b> th cf	1.019 S2 100.000	0.999 S2 100.000	***** ***** *****	***** ***** *****	0.4085 NEG 47.158	0.474 NEG *****	
<b>F</b> th cf	1.541 S3 150.000	1.495 S3 150.000	***** ***** *****	***** ***** *****	1.343 POS 139.455	1.454 POS *****	
<b>G</b> th cf	2.000 S4 200.000	1.985 S4 200.000	0.002 PC1 *****	***** ***** *****	1.266 POS 128.206	1.307 POS *****	
<b>H</b> th cf	2.454 S5 250.000	2.541 S5 250.000	0.002 PC1 *****	BLANK B1 *****	0.874 EQU 88.034	0.899 EQU ****	

### Easy to read data reports

The data matrix displays the well type (Test, Reference, Blank, etc.), raw OD value, threshold results (Positive, Negative or Equivocal) and concentration data derived from a standard curve.

## Simple to Service

- ◆ First modular microplate reader
- ◆ Unique engineering provides “Plug and Play” replacement of optic components.
- ◆ Overnight service option enhances productivity by significantly reducing downtime.



### Optics Modularity

The optics module is replaced in three easy steps:

- (1) Loosen four locking rods with a screw driver.
- (2) Slide out optics module.
- (3) Slide in new optics module and tighten locking rods.

## Opsys MR™ Reader Specifications

### Performance

Optical range	0 to 3.500 OD	
Dynamic Range	3.000 OD	
Spectral range	405 - 690 nm	
Precision	± 0.010 OD	0.000 to 0.500 OD
	<1% CV	0.501 to 2.000 OD
	<1.5% CV	2.001 to 3.000 OD
Linearity	± 1%	0.000 to 2.500 OD
	± 1.5%	above 2.500 OD
Accuracy	± 0.010 OD or 2.5% (0.000 to 3.000 OD), whichever is greater	
Read Cycle Time	<10 seconds; single wavelength	
	<20 seconds; dual wavelength	

### Interface

Printer	Parallel Centronics
Computer	Bi-directional RS232C

### Electrical

Light Source	Halogen Lamp		
Voltage	<b>Volt</b>	<b>Power</b>	<b>Freq.</b>
	100-120V	70VA	50/60Hz
	220-240V	70VA	50/60Hz
Power Consumption	60W		

### Physical

Weight	7.3 kg (16 lbs)
Dimensions	13 cm (5.1 in) X 36 cm (14.2 in) X 33 cm (13.0 in) (H X D X W)

### Regulatory/Product Safety

CE  
EN 61010  
CSA/NRTL/c (CSA 1010, UL 3101)

### Catalog #

24100 Opsys MR™  
24200 Opsys MR™ with QuickLink  
24077 Revelation QuickLink Software  
24098 Opsys MR Verification Plate

# DYNEX

## MAGELLAN BIOSCIENCES



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