

Incubator, Shaker, Free Software, High Accuracy, High Speed. All included!



AgileReader™ Microplate Reader



AgileReader can perform ELISA measurements between the wavelength of 340 -900nm and is built with an incubator and shaker for temperature sensitive kinetics measurements. To interface with PC, AgileReader comes with the PC-Mate software to control, store, and transfer the analysis results from the instrument to the PC.

Applications : ELISAs / EIAs, enzymatic activity, bacterial growth studies, and fast kinetic assays.

Key Features

Multiple measurement modes and analysis methods.

3 types of measuring method : end point, two points, and kinetic to suit the different needs of the users application.

2 analysis methods : cut-off and quantitative.

Flexible and high performance measurement

With the modular filter wheel design of AgileReader, users can customize filter wheel's configuration to different wavelength to fit their special applications.

The enhance optical performance of AgileReader is also capable of measuring speed lower than 5s per plate with the upmost precision.

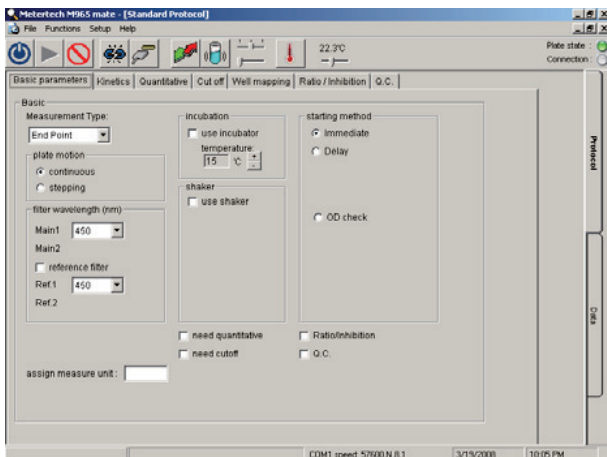
Build-in incubator for kinetic studies

The AgileReader Microplate reader is built with digital temperature controller to regulate the incubator from ambient+3°C to 50°C and to make the AgileReader ideal for kinetic studies.

AgileCon : PC-Mate software to control and store data through the PC

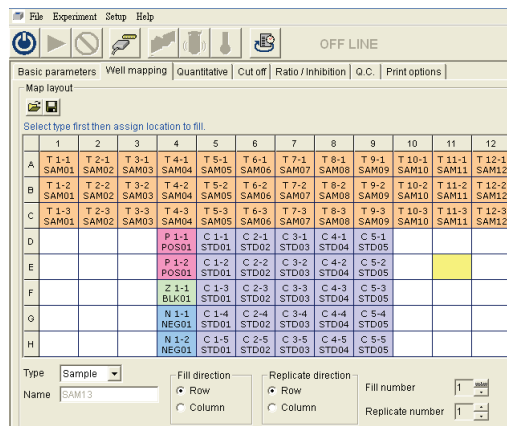
AgileCon lets user select the measuring method, incubator, shaker, and analysis method through the PC or notebook, also transfers the protocols and standard curves of the instrument onto a PC or notebook for storage.

AgileCon™ : the PC-Mate Software



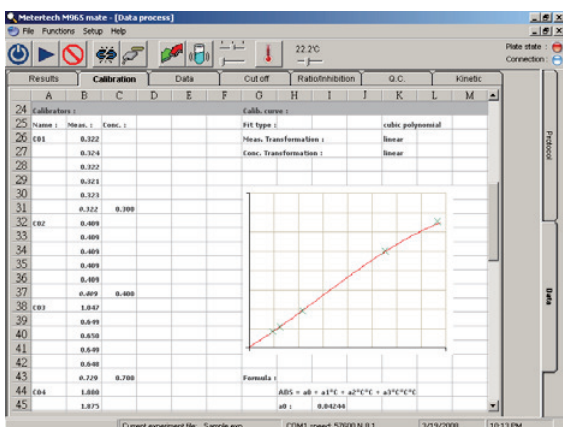
Basic Parameters Setting

AgileCon provides 3 types of measurement types, end point, two point, and Kinetics.



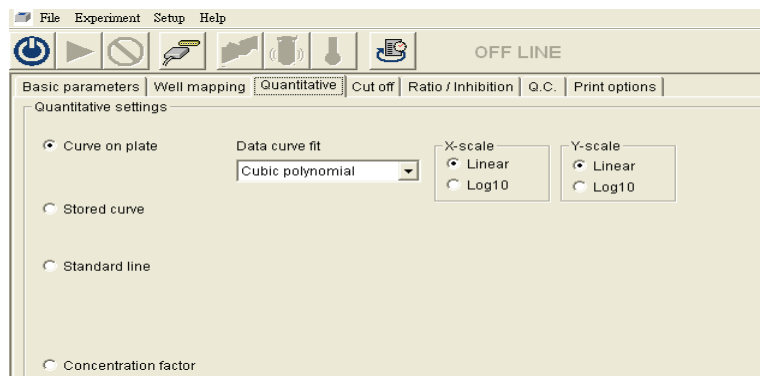
Well Plate Mapping

Users can define 5 types of different wells, Blank, Standard, Sample, Positive, and Negative.



Calibration

Calibration curve could be displayed according to the setting parameter.



Quantitative

The AgileCon allows user to define quantitative analysis to determine the absolute or relative abundance.

type	name	well	replicate	plate	Abs.	Conc.	unit	cutoff	SD	CV%
the SAMPLES										
SAM	SAM	A5	1	01	0.323	0.305	mg/mL	-	---	---
SAM	SAM	B5	2	01	0.322	0.305	mg/mL	-	---	---
SAM	SAM	C5	3	01	0.321	0.305	mg/mL	-	---	---
SAM	SAM_avg(1)	---	3	1	0.322	0.305	mg/mL	-	0.001	00.25
SAM	SAM 2	A6	1	01	0.407	0.392	mg/mL	-	---	---
SAM	SAM 2	B6	2	01	0.410	0.392	mg/mL	-	---	---
SAM	SAM 2	C6	3	01	0.408	0.392	mg/mL	-	---	---
SAM	SAM 2_avg(1)	---	3	1	0.408	0.392	mg/mL	-	0.001	00.31
SAM	SAM 3	A7	1	01	1.048	1.000	mg/mL	-	---	---
SAM	SAM 3	B7	2	01	1.048	1.000	mg/mL	-	---	---
SAM	SAM 3	C7	3	01	1.049	1.000	mg/mL	-	---	---
SAM	SAM 3_avg(1)	---	3	1	1.048	1.000	mg/mL	-	0.000	00.00
SAM	SAM 4	A8	1	01	1.079	1.000	mg/mL	-	---	---
SAM	SAM 4	B8	2	01	1.883	1.800	mg/mL	-	---	---
SAM	SAM 4	C8	3	01	1.881	1.800	mg/mL	-	---	---
SAM	SAM 4_avg(1)	---	3	1	1.881	1.800	mg/mL	-	0.002	00.09
SAM	SAM 5	A9	1	01	2.461	2.508	mg/mL	-	---	---
SAM	SAM 5	B9	2	01	2.442	2.508	mg/mL	-	---	---
SAM	SAM 5	C9	3	01	2.453	2.508	mg/mL	-	---	---
SAM	SAM 5_avg(1)	---	3	1	2.452	2.508	mg/mL	-	0.008	00.32
the STANDARDS										
STD	STD	D5	1	01	0.322	0.305	mg/mL	-	---	---
STD	STD	E5	2	01	0.324	0.305	mg/mL	-	---	---

According to the well plate mapping, the AgileCon could display all the result.

Specifications of AgileReader

Product Description	Microplate Reader	
Cat. No.	AMPR-900-A	AMPR-900-B
Wavelength range	405 -750 nm	340 -750 nm
Optical system	9 channels, 1 reference channel	
Filters	8	
Well type	96	
Measurement range	0.000 -4.000 Abs	
Measurement time	<5 sec	
Measurement modes	End point, Two Point , Kinetics	
Linearity	+/- 1% from 0.000 to 3.000 Abs	
Precision	<0.2% CV from 0.000 to 2.000 Abs; <0.5% CV from 2.000 to 3.000 Abs	
Resolution	0.001 Abs	
Data storage	Parameter 100 sets, Data 50 sets, Calibration 20 sets	
Interface	RS232 or USB	
Incubator	+3°C -50°C +/- 0.5°C	
Shaking	8Hz, 11Hz, and 14Hz	
Detects protein up to	100 mg/ml	
Size / Weight	355 x 345 x 174 mm / 14 kg	
Warranty	1 Year	

Accessories order Information

Cat. No.	Item	Cat. No.	Item
AMPR-750-A / AMPR-750-B	Agile Reader main body	AMPR750-304	Filter cassette 550nm
AMPR750-201	Tungsten halogen lamp	AMPR750-307	Filter cassette 570nm
AMPR750-301	Filter cassette 405nm	AMPR750-306	Filter cassette 650nm
AMPR750-302	Filter cassette 450nm	AMPR750-305	Filter cassette 600nm
AMPR750-303	Filter cassette 490nm		