

SMART SCIENCE

Smart Science co.,ltd.

Spectrophotometers

Price List 2023-2024



CONTENTS

- Spectrophotometers
- Microplate Readers
- Microplate Washers



MicroDigital Co., Ltd.



เลือกชม/สั่งซื้อสินค้า ออนไลน์ได้แล้ว

บริษัท สมาร์ท ไซเอนซ์ จำกัด

www.smartscience.co.th

**SMART
SCIENCE**
Smart Science co.,ltd.

บริษัท สมาร์ท ไซเอนซ์ จำกัด 80/379 ถนนพหลโยธิน, ต.คลองหนึ่ง, อ.คลองหลวง, จ.ปทุมธานี
SMART SCIENCE CO., LTD. 80/379 Khlong Nueng, Khlong Luang, Pathum Thani
E-mail : orders@smartscience.co.th Tel : (+66)98-8250970 Tel : (+66)2-077-7593



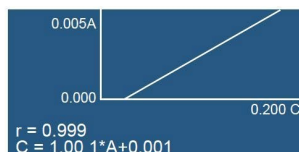
Visible Spectrophotometer

Cuvette

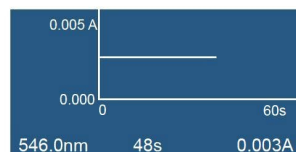
Basic Mode

546.0nm		0.001A
No.	WL.	Abs.
1	230.0	0.001
2	340.0	0.000
3	450.0	0.002
4	540.0	0.000
5	620.0	0.003

Quantitative



Kinetics

Model **SP-V1000**

- Wavelength : 325~1000nm
- Optical System : Single Beam
- Light Source : Tungsten lamp
- Sample Compartment : 4-position, 10mm pathlength cuvette
- Display : LCD
- Output : USB Port and Parallel Port (Printer)

(# 4050210100) including 4 glass square cuvettes

ราคา 60,300 บาท*

Package include :



Square cuvettes glass 1-5mm/10-100mm

Model **SP-V1100**

- Wavelength : 320~1100nm
- Optical System : Single Beam
- Light Source : Tungsten lamp and Deuterium lamp
- Sample Compartment : 4-position, 10mm pathlength cuvette
- Display : LCD
- Output : USB Port and Parallel Port (Printer)

(# 4050220100) including 4 glass square cuvettes

ราคา 91,800 บาท*

UV Spectrophotometer

Cuvette

Model **SP-UV1000**

- Wavelength : 200~1000nm
- Optical System : Single Beam
- Light Source : Tungsten lamp and Deuterium lamp
- Sample Compartment : 4-position, 10mm pathlength cuvette
- Display : LCD
- Output : USB Port and Parallel Port (Printer)

(# 4050110100) including 4 glass square cuvettes and 2 quartz square cuvettes (package contain)

ราคา 116,200 บาท*

Package include :



Square cuvettes glass/quartz 1-5mm/10-100mm

Model **SP-UV1100**

- Wavelength : 190~1100nm
- Optical System : Single Beam
- Light Source : Tungsten lamp and Deuterium lamp
- Sample Compartment : 4-position, 10mm pathlength cuvette
- Display : LCD
- Output : USB Port and Parallel Port (Printer)

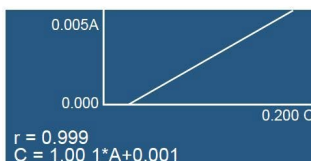
(# 4050120100) including 4 glass square cuvettes and 2 quartz square cuvettes (package contain)

ราคา 169,400 บาท*

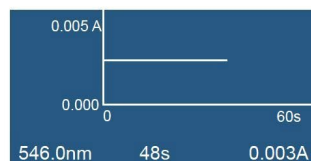
Basic Mode

546.0nm		0.001A
No.	WL.	Abs.
1	230.0	0.001
2	340.0	0.000
3	450.0	0.002
4	540.0	0.000
5	620.0	0.003

Quantitative



Kinetics



*ราคายังไม่รวมภาษี 7%



Nabi – UV/VIS Nano Spectrophotometer

MicroDigital Co., Ltd.
(Korea)

can conveniently read samples in cuvette or microvolume, and also receive results from single wavelength and full spectrum Nabi is a standalone instrument which utilizes 7.0 inch touch-enabled LC. All data can be transferred to PC just with a USB.

Microvolume and Cuvette

Features

- Sample processing in cuvette and micro volume pedestal
- Spectrometry analyzes single or full spectrum
- Small and portable size
- Easy maneuver/operation with 7" LCD screen (Stand-alone)
- Easy back up with a USB Flash drive
- Parameters: DNA/RNA, Protein, Cell, End point, Kinetic, Spectrum

Specification

- Light Source : Xenon Flash Lamp
- Wavelength Range : 190 – 1,100 nm
- Dimension : 220 x 280 x 220 mm

Nano-Volume Specification

- Detection Limit : 2 ng/ μ l (dsDNA)
- Maximum Concentration : 15,000 ng/ μ l (dsDNA)
- Minimum Sample Size : 1 μ l in 5 sec

Cuvette Specification

- Absorbance Range : 0.002 – 2.0 Abs.

Nabi – UV/VIS Nano Spectrophotometer

ราคา 414,050 บาท*

**Lumi**

Single Tube Luminometer

MicroDigital Co., Ltd.
(Korea)

Features

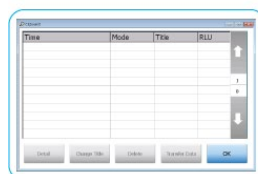
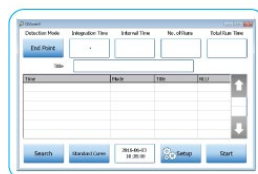
- Compatible with conventional sample tube
- High sensitivity through high quality PMT
- Compact design
- Easy-to-use with 7.0" touch screen LCD
- Simple data back up using USB
- End-point and kinetic modes available

Specification

- Wavelength Range : 350-650 nm
- Dimension : 210 x 250 x 150 mm
- Tube type : 1.5ml Microcentrifuge Tube
- Weight : 2 kg

Lumi – Single Tube Luminometer

ราคา 237,890 บาท*



*ราคายังไม่รวมภาษี 7%



MaestroNano

MAESTROGEN (Taiwan)

MN-917 MaestroNano

DNA RNA Protein Quantification Spectrophotometer

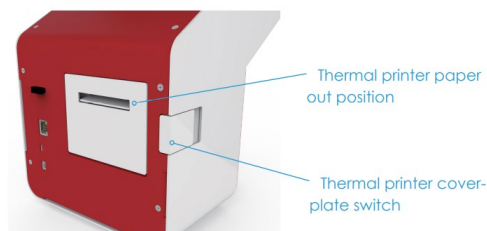
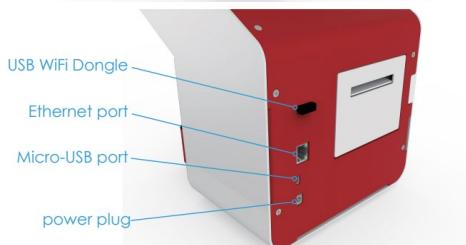
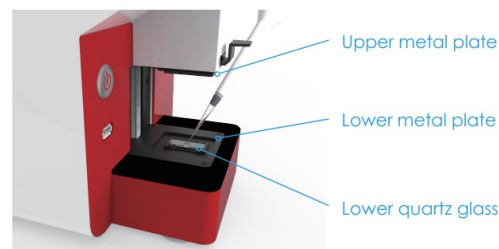
Microvolume



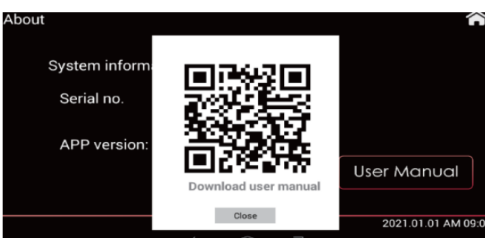
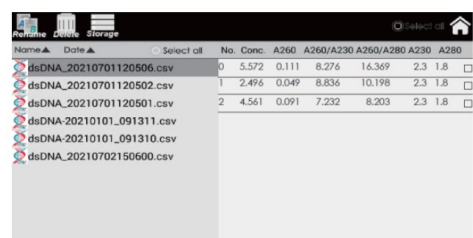
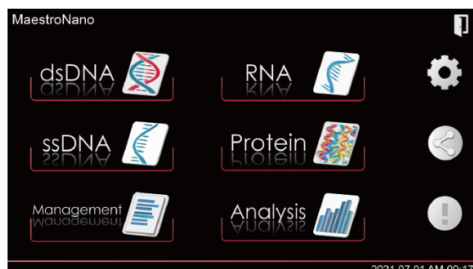
- Convenient : 2 μ l sample only, measurement in less than 5 seconds
- Focus on nucleic acid and protein : 230nm/260nm/280nm/320nm
- Measurement data output : (A) OD230nm, OD260nm, OD280nm, OD320nm / (B) Sample concentration (ng/ μ l) / (C) OD260nm/OD230nm, OD260nm/OD280nm
- Best concentration range : 2ng/ μ l – 2000 ng/ μ l (dsDNA) / 1.6 ng/ μ l – 1600 ng/ μ l (RNA) without dilution
- Light source : Xenon flash lamp
- LCD resolution : 7 inches, 1024(W) x 600(H) dots matrix
- Output : Wifi (USB dongle) / OTG USB (connect to PC to access) / USB / Ethernet / Printer / QR code

(# MN-917) MaestroNano™ PRO

ราคา 325,750 บาท*



Display function



* ราคายังไม่รวมภาษี 7%



Microvolume Analysis of DNA, RNA and Proteins

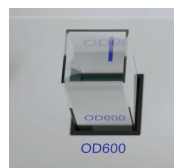
- Quick & accurate results from a sample droplet
- Touch screen control panel, **no PC or software required**
- Built-in printer and cuvette port for OD600 readings



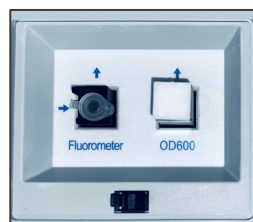
Microvolume and Cuvette



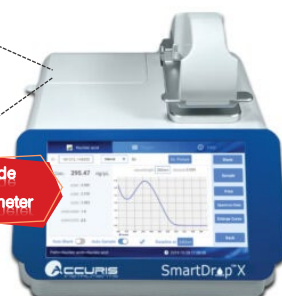
Microvolume port



Cuvette port



Include
Fluorometer



Full spectrum
UV-Vis

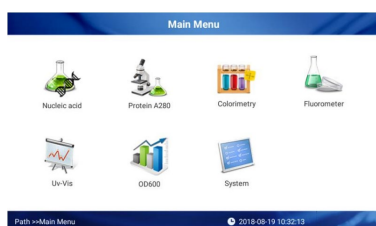


For basic
DNA/RNA/protein



Model	SmartDrop XF	SmartDrop X	SmartDrop L
Minimum sample size	0.5µl – 2.0µl	0.5µl – 2.0µl	1.0µl – 2.0µl
Path length	0.05mm, 0.2mm, 1.0mm	0.2mm, 1.0mm	0.5mm
Light source	Xenon Flash Lamp	Xenon Flash Lamp	UV LED
Detector	2048 Element Linear Silicon CCD Array	2048 Element Linear Silicon CCD Array	UV Silicon Photocell
Wavelength	200 – 800nm (1nm steps)	200 – 800nm (1nm steps)	260, 280, & 600nm
Absorbance range	0.04 – 300 A (10mm equivalent)	0.04 – 90 A (10mm equivalent)	0.2 – 50 A (10mm equivalent)
Lower limit of detection	dsDNA: 2ng/µl; BSA: 0.1mg/ml	dsDNA: 2ng/µl; BSA: 0.1mg/ml	dsDNA: 10ng/µl; BSA: 0.1 mg/ml
Upper limit of detection	dsDNA: 15,000ng/µl; BSA: 360mg/ml	dsDNA: 4,500ng/µl; BSA: 135mg/ml	dsDNA: 2,500ng/µl; BSA: 75.0 mg/ml
Dimensions (WxDxH)	20.8 x 8.0 x 18.6 cm		
ราคา	863,850 บาท*	730,850 บาท*	385,750 บาท*

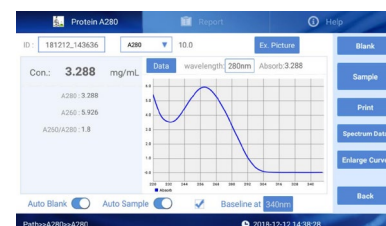
Display function (SmartDrop XF)



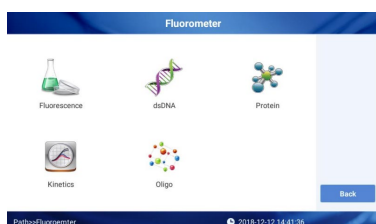
Main Menu Interface



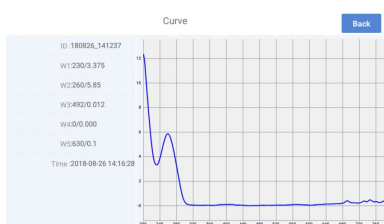
Nucleic Acids Interface



Protein Interface



Fluorometer Interface



UV-Vis Full Spectrum Interface



Colorimetry Interface

* ราคายังไม่รวมภาษี 7%



SmartReader 96, Microplate Absorbance Reader



- Intuitive, 7 inch color touch screen control panel
- Filter based system with **wavelength range from 340 to 750nm**
- Operates as a stand alone system, with USB flash drive for data transfer
- Absorbance range: 0.0 to 4.000 Abs
- 8 channel vertical optical path, with zero dispersion
- Integrated, multi-speed plate shaker (3 modes; slow, medium and fast)
- **MR9600-T** features **temperature controlled plate incubation**. Temperature can be maintained at 5°C above ambient to 50°C
- Light source : Quartz-halogen lamp 6V/10W
- Intuitive software and graphical interface make these instruments easy to use as a standalone reader (a separate computer and additional software is not required)



More information [Click](#)

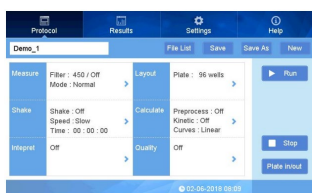
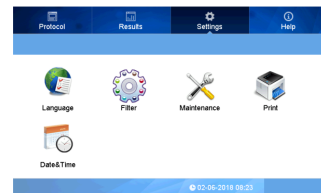


Plate Layout Screen



Reading Results Screen



(MR9600-E) SmartReader™ 96 Microplate Absorbance Reader, includes 405, 450, 492 and 630nm filters **ราคา 354,750 บาท***

(MR9600-T-E) SmartReader™ 96 Microplate Absorbance Reader, with incubation, includes 405, 450, 492 and 630nm filter **ราคา 377,650 บาท***

SmartReader UV-Vis



- Intuitive, 10-inch color touch screen control panel
- Accepts both **96-well and 384-well flat bottom**
- Monochromator-based system : No filters required and **Wavelength range from 200 to 1000 nm**
- Light Source : Xenon Flash Lamp
- Stand-alone design : No PC or special software required and USB port for flash drive data transfer
- Incubator : **From ambient + 5°C to 45°C**
- Plate shaking : Linear; three levels of shaking speed



(MR9610-E) Accuris SmartReader UV-Vis Microplate Absorbance Reader

ราคา 997,150 บาท*

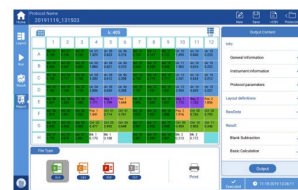
More information [Click](#)



96-well Reading Result Screen



Kinetic



Report exporting

Optional accessories:

SmartDrop Accessory Plate

Absorbance measurements of exceptionally small volumes (<0.5ul) can be achieved using the SmartDrop™ Accessory Plate. The SmartDrop plate accommodates up to 16 samples and is ideal for checking nucleic acid concentrations and purity for Next Gen Sequencing, or protein concentrations.

(MR9610-SDP) SmartDrop Accessory Plate

ราคา 199,190 บาท*



SmartDrop™ Accessory Plate



Mobi

MicroDigital Co., Ltd. (Korea)

Mobi is a monochromator-based **microplate spectrophotometer**, quantifying nucleic acids, proteins, cell-based samples to ELISA results, measures wide range of samples fast and precisely. Wide range of wavelengths from 200 nm to 999nm allows various field applications.

Feature

- Precise wavelength control in increments of 1nm
- Precise readings from 6 to 384-well microplate
- Minimum maintenance utilizing semi-permanent Xenon lamp
- Convenient operation with either PC or tablet software



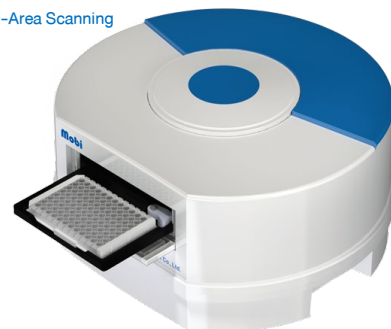
Mobi is supplied with a tablet PC for enhanced connectivity through Wi-Fi and Bluetooth. (Optional)

Specification

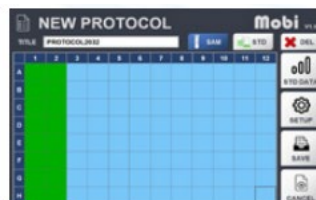
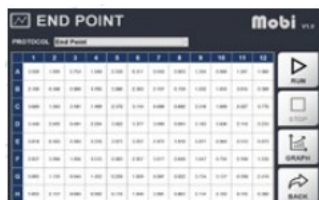
- Reading Methods : End-Point, Kinetic, Spectral Scanning, Well-Area Scanning
- Microplate Types : 6 to 384 well Microplate
- Dimension : 396 x 364 x 207 mm
- Shaking : 200-800 rpm
- Temperature range : RT - 40°C

Reader Specification Detection

- Light Source : Xenon Flash Lamp
- Wavelength Range : 200 - 999 nm (1nm increments)
- Dynamic Range : 0 - 4.0 OD
- Resolution : 0.0001 OD



More information [Click](#)

**DYNAREAD**

- Designed for 96-well plates (ELISA plates)
- End-point and kinetic measurement methods
- Reliable and stable light source LED with a long service life
- Up to 8 filters can be fitted simultaneously (4 filters 405, 450, 490 and 630 nm included)
- Dynamic range 0.000 - 4000 OD
- Wavelength range 365 - 1050 nm
- Linear shaking with adjustable speed and amplitude
- Instrument control and data collection by PC through USB port
- Compatible with various photometers
- Control and data analysis software
- CE IVD certification



(# D5206-E) DYNAREAD (4 filters), additional filters up to 8

ราคา 315,250 บาท*

More information [Click](#)

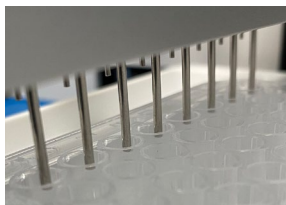
* ราคายังไม่รวมภาษี 7%



SmartWasher 96 Microplate Washer

The Accuris SmartWasher 96 automates the process of ELISA plate washing so assays can be prepared quickly, accurately, and with confidence for absorbance reading. It's the perfect companion to our popular SmartReader 96 microplate reader.

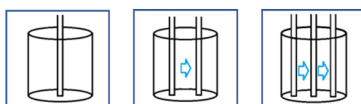
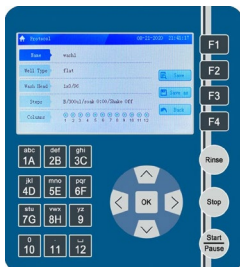
- Precision control of aspiration needle position
 - Accurate to 0.1mm
 - Minimal residual liquid, $\leq 1 \mu\text{l}/\text{well}$
- Auto rinse function eliminates cross contamination
- Up to 100 wash protocols can be customized and stored
- Liquid level sensors in wash and waste bottles
- Wash protocols can be transferred via flash drive



MW9600-8CM



MW9600-12CM



Multiple aspiration point settings (one, two or three positions) to optimize liquid aspiration from different plate types



Compatible with all common microplate well shapes

Package include :



More information [Click](#)

(# MW9600-E) SmartWasher 96 Microplate Washer,
wash head sold separated

ราคา 271,950 บาท*

(# MW9600-8CM) 8-Channel manifold

ราคา 18,350 บาท*

(# MW9600-12CM) 12-Channel Manifold

ราคา 20,250 บาท*

DYNASH - E

- Eight channel comb standardized for use with microtiter plates (ELISA plates).
- The incoming washing solution is directed to the dispensing needles through a manually controlled valve.
- Volume of the washing solution can be manually operated by the red button – the comb is dispensing as long as you hold down the button.
- Waste bottle : 1000 ml, 9 cm in diameter

(D6108E-E) DYNASH-E

ราคา 87,050 บาท*

◆ DYNEX



More information [Click](#)

DYNASH Automatic

- Fully automated ELISA washer
- Smart assays programming via PC
- Great flexibility in creating assays
- Number of channels per washing head : 2
- Number of liquid sources : 2 (4 as an option)
- Washing protocols are saved in the instrument and are controlled directly from the panel on the top of the instrument (membrane keyboard and graphic colour display – can be manufactured in variable colours).

(D6222-E) 2 channels

ราคา 227,050 บาท*

(D62224-E) 4 channels

ราคา 242,850 บาท*

◆ DYNEX



More information [Click](#)

