

# F-2500 Promotional Packages

General Purpose Package and Biotech Research Package



## General Purpose Package for QC, Education and Basic Research Applications

includes:

251-0090 F-2500 Fluorescence Spectrophotometer  
 250-0452 FL Solutions Applications Software  
 AN0-0124 Dell PC  
 AN0-0104 Dell 17" Flat Panel Monitor

**Regular price \$13,560** ==> **Promo price \$9,990**

**Savings => \$3,570**

**(Promo price without PC/Monitor \$8,990)**

## Biotech Research Package for Intracellular Calcium Measurements

includes:

All items in General Purpose Packages, plus:  
 MKT-0025 Complete Intracellular Calcium  
 Measurement system

**Regular Price \$18,185** ==> **Promo Price \$13,990**

**Savings => \$4,195**

**(Promo price without PC/Monitor \$12,990)**

**NOTES:** Offer valid in the US only. Prices are in US Dollars. Cannot combine with any other offer or discount. Hitachi reserves the right to terminate the campaign at anytime. Contact Hitachi for further details of this offer. Previous sales are excluded. Offer valid while supplies last.

## Hitachi—The Value Leader in Spectroscopy

Hitachi High Technologies America, Inc.  
 Life Sciences Division  
 5100 Franklin Drive  
 Pleasanton, CA 94588

Toll Free: (800) 548-9001  
 E-mail: [sales-LS@hitachi-hta.com](mailto:sales-LS@hitachi-hta.com)  
 Web site: [www.hitachi-hta.com/LSHome](http://www.hitachi-hta.com/LSHome)

## F-2500 Fluorescence Spectrophotometer Specifications

Sensitivity	S/N 800 or better (RMS) S/N 450 or better (Peak to Peak) Raman spectrum of water: Ex 350nm, Band pass 5nm, 10nm, Response 2 sec.
Light Source	150W Xenon Lamp in self-deozoneating lamp housing
Photometric Principle	Monochromatic light monitoring with ratio calculation
Measuring wavelength range	220 to 730nm and zero order light (800nm using optional PMT)
Band pass	2.5, 5, 10, 20nm (in both Ex and Em sides)
Wavelength resolution	2.5nm
Wavelength accuracy	±3.0nm
Wavelength scan speeds	15, 60, 300, 1500, 3000 nm/min.
Wavelength drive speed	12000 nm/min
Photometric range	0.000 to 9999
Minimum sample volume	0.6mL (using standard 10mm cell), 0.2mL (using microcells)
Data processing unit	PC, OS Windows XP Professional

## Software functions

### Wavelength Scan:

Excitation / Emission/ Synchronous  
 Repeated measurements/ CAT  
 Spectral correction: 220 to 600 nm on  
 both Ex and Em sides (Spectral  
 correction accessory required)  
 Trace, scale conversion, graph axis  
 change  
 Peak/ Valley detection  
 Differentiation  
 File-to-file calculation

### Time Scan Measurement:

Trace, Scale conversion, Graph axis  
 change  
 Differentiation  
 Rate calculation  
 File to file calculation

### Photometric Mode:

Calibration curve (linear, quadratic, cubic,  
 polygonal), coefficient input.  
 Calibration curve trace  
 Statistical calculation  
 Interrupt measurement, sample blank  
 measurement, data deletion  
 Peak-rate based quantification, peak-area  
 quantification  
 2 or 3 wavelength calculation  
 Cumulative data averaging

### Other functions:

Automatic sensitivity measurement, Pre-scan, Data export/graph copy to Excel , Print preview

## F-2500 Intra Cellular Calcium System components:

251-0090 F-2500 Fluorescence Spectrophotometer  
 251-0143 Water Thermostated Cell Holder w/ stirring  
 250-0458 IC Measurement Software  
 250-1543 Stirring bars

250-0452 FL Solutions Software  
 251-0130 Micro sampling accessory  
 650-0116 Microcell (Injection port)

### Optional accessories for IC package: (not included)

AN0-9259 Heating Water Circulator  
 AN0-9339 Tubing kit

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