ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

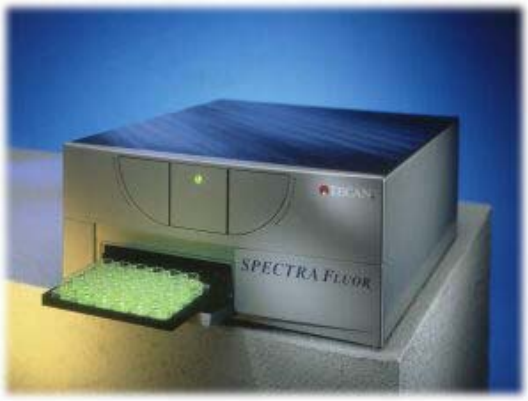
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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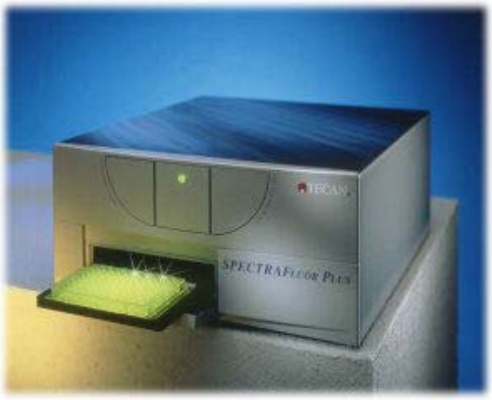
Find the *Tecan SPECTRAFluor Plus* at our website: *Click HERE*

TECAN - Fluorescence Instrumentation



The *SPECTRAFLUOR* and the *SPECTRAFLUOR PLUS* - two instruments - shared features - one common theme.

Standard Features



- Different detection techniques with one instrument
- Change of measurement directions (top / bottom) by software
- Simple filter handling (front-loading system and filters in filter slides)
- Thermal incubation
- Optimized robot - compatibility
- Measurement of all available plate types (from Petri dish to high density plates)

Operating Overview

Pulsed excitation light is provided by a Xenon flash lamp. Dual optical channels allow measurements from above or below the plate by mouse-click. Light to and from the samples is focused by a lens and high quality excitation and emission filters are easily accessible from the front of the instrument.Each filter slide holds up to four filters and values for a total of eight slides can be stored. The emission signal is measured by a highly sensitive PMT.

TECAN *aims to provide the best possible support for your specific applications:*

- Cell Growth
- Cell Adhesion
- Viability Testing
- Transmigration / Invasion
- Ion flux

Software Supports:

- multiple measurement points per well
- multiple labeling experiments
- kinetic measurements

Software Choices:

Instrument control and data reduction software packages for Windows or Macintosh operating systems. *XFLUOR* provides instruments control and data acquisition using MS-Excel™.

Instruments Specifications

	SPECTRAFLUOR	***SPECTRAFLUOR Plus***
General		
Measurement speed	< 30 sec. for a standard 96-well plate	< 30 sec. for a standard 96-well plate
Plate shaking	linear or orbital in 3 different speed	linear or orbital in 3 different speeds
Fluorescence		
Wavelength range	360 – 700 nm	230 - 700 nm
Sensitivity	< 3 pg fluorescein / well (Vol. 200µl, black plate, 100 flashes)	< 1,5 pg fluorescein / well (Vol. 200µl, black plate, 100 flashes)
Time resolved measurements	integration time adjustable from 20-2000µsec in 1µsec steps	integration time adjustable from 20-2000µsec in 1µsec steps
Plate formats	up to 384 well plates	up to 1536 well plates
Absorbance		
Wavelength range	230 – 750nm	230 - 1000 nm
Accuracy	0-2.0 OD +/- 2 % and +/- 0.010 OD at 492nm	0 - 2OD: +/- 1% +/- 0.010OD 2.0 - 3.0 OD: +/- 1.5% +/- 0.010 OD
Plate formats	up to 384 well plates	up to 384 well plates
Glow Type Luminescence		
Wavelength range	---	400 – 700 nm
Sensitivity	---	0.4 x 10^{-6} activity units Alkaline Phosphates (~ 200fg at 2000 activity units/mg)
Plate formats	---	96 well plates

Further Information:

- Advanced Microplate Fluorometry
- List of Application Notes
- Literature References Page

For robotic microplate handling see Twister product page.

For further information please fill in our **information request form** or refer to our list of **worldwide locations** for a TECAN representative near you.



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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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