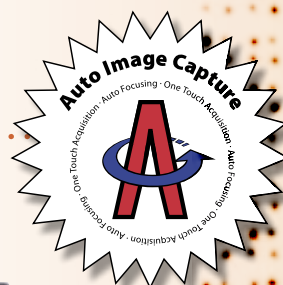
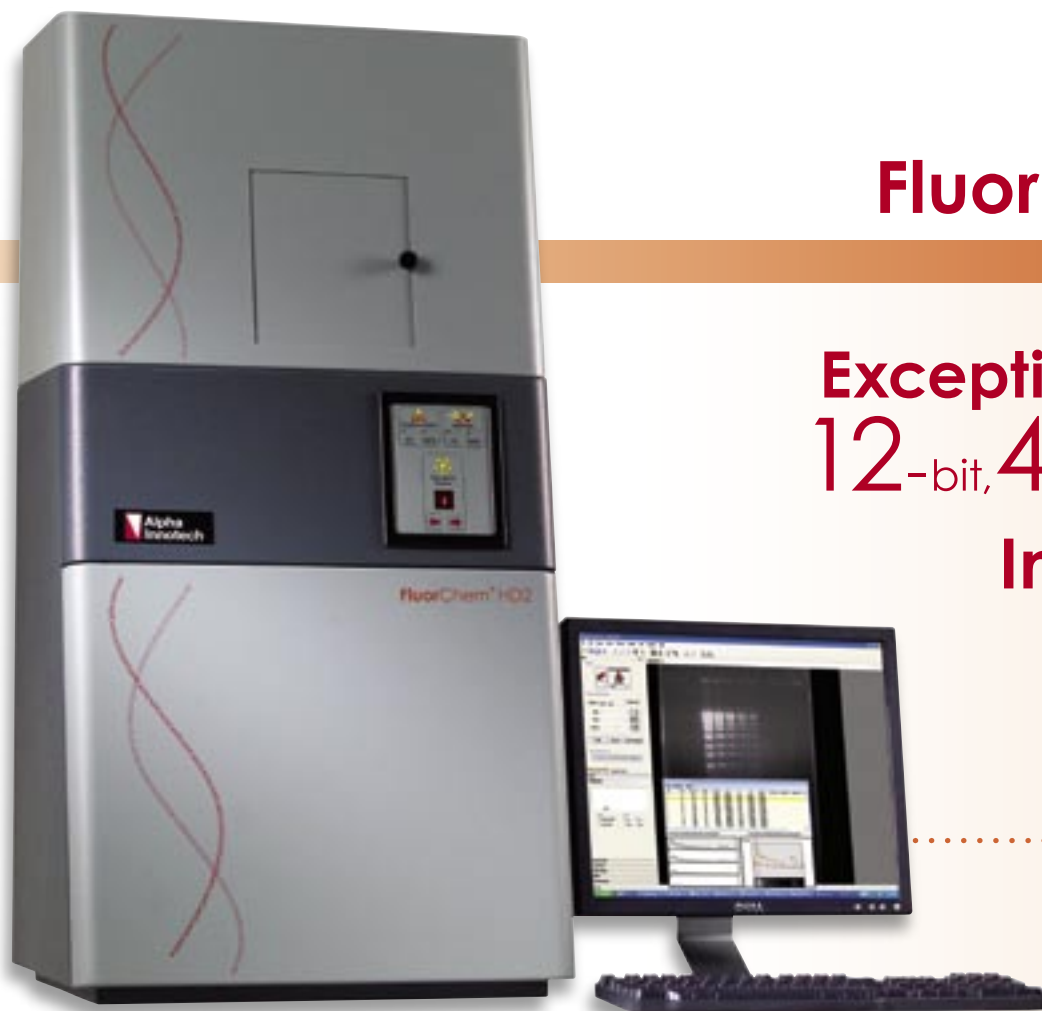


# FluorChem<sup>®</sup> SP

Exceptional  
12-bit, 4 megapixel  
Resolution  
Imaging  
System!



The FluorChem<sup>®</sup> SP Superior Performance Imaging System offers the latest in scientific imaging technology. The 4 megapixel resolution camera, combined with new software features, enable the user to acquire publication quality chemiluminescent images faster than ever. The new FluorChem SP is the ideal instrument for any advanced laboratory environment.

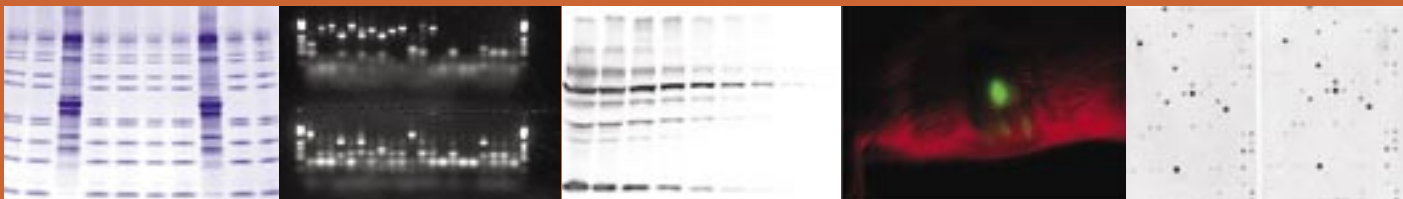
## Brand New Imaging Technology!

- 4.0 Megapixel Resolution
- Faster, More Sensitive Chemiluminescence
- Advanced Scientific Grade CCD Technology
- Low Noise Characteristic CCD for Enhanced Chemiluminescence Imaging
- 5 Sensitivity Selections for Fast Chemiluminescent Acquisition
- Wide Array of Applications

Auto Image Capture Software  
**Available!**



## Wide Array of Applications



### General Applications

- Chemiluminescence Imaging
- Fluorescence Imaging
- Gel, Film, and Membrane Imaging
- Culture and Microplate Based Assays

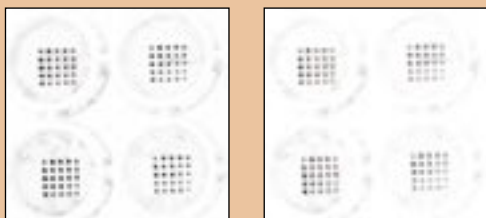
### With the optional Chromalight® Multiwavelength Illuminator

- Multiplexing of near IR dyes
- Qdot® dyes
- Alexa Fluor® 680
- Cy3™/Cy5™ labeled gels
- In-vivo Imaging
- And many more applications

### Exceptional Image Quality Combined with Easy to Use Software Features

- 4.0 Megapixel Resolution
- Ideal for Chemiluminescence, Fluorescence and Absorbance Imaging
- Full 12-bit Dynamic Range
- Unique MovieMode™ and AutoExposure Acquisition Modes
- Image Enhancements, False Colors, Filters and Annotations
- Molecular Weight, Colony Counting, Densitometry, and more

### VISUALIZE THE DIFFERENCE

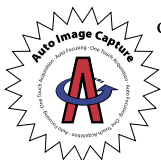


LEFT: FluorChemSP Imaging System  
with 4 Megapixel Resolution  
RIGHT: 1.3 Megapixel Resolution,  
Typical of Other Systems

FluorChem SP	
Camera	
CCD	KAI-4020M
Pixel	7.4 x 7.4 microns
Full Well Capacity	40,000 e-
Read Noise	<12e- rms
Dark Current	~0.05e-/p/s
Resolution	2024 x 2024
Megapixel	4.0
Dynamic Range	70 dB
Cooling	-28 Celsius (absolute and regulated)
QE @ 425nm	>50%
A/D	12-Bit
Illumination	
Epi White Light	Dual Epi White Light Modules
Trans White Light	Fold Down White Light Tray
Trans UV	Dual Wavelength UV Transilluminator (302nm & 365nm)
EBR Filter	Ethidium Bromide, Coomassie Blue SYPRO Orange
Optional Features	
Epi UV	254nm/365nm
Wide Selection of Emission Filters	Filter Info as Requested
Applications	
Absorbance/Colorimetric	Yes
Fluorescence	Yes
Chemiluminescence	Yes
OS Compatibility	Windows® 2000/XP
Certifications	CE, FCC, CSA

### Auto Image Capture

AIC is a breakthrough in imaging software, which reduces the image acquisition process to one easy step. This imaging software combines motorized optics with software controlled filter selections and lighting options. Now, with just one click of a button, you can perform all of the filter, lighting and camera control operations necessary to acquire a high quality image of your sample.



Innovations For Life Science Discovery

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