

LASER Induced Fluorescence Detector

NEW DESIGN
NEW OFFER
ALWAYS EASY TO USE



266 nm
355 nm
405 nm
488 nm
532 nm
633 nm

WAVELENGTH

From 266 nm to 785 nm

Key Benefits

- **Ultra Sensitivity** for CE and LC
- Versatile Detector with 13 lasers available for various applications
- Native fluorescence detection at ultra trace level with low noise and interference
- Easy to set up
- On-line CE or LC-LIF-MS
- Dual emission wavelength



Ultra Sensitive Detector 13 Lasers Available*

Our detector is commonly employed in R&D and Quality Control laboratories in pharmaceutical companies, research institutes and universities in Europe, North America and Asia.

** For other wavelengths, please contact Picometrics Technologies*

HOW TO CHOOSE YOUR WAVELENGTH

MOLECULES	DYES	nm
<ul style="list-style-type: none"> • Peptides • Proteins 	<ul style="list-style-type: none"> • Native fluorescence 	266
<ul style="list-style-type: none"> • Mono, polysaccharides 	<ul style="list-style-type: none"> • 2AB (2-aminobenzamide) • 2AA (2-amino-benzoic-acid) 	325 355
<ul style="list-style-type: none"> • Amino acids 	<ul style="list-style-type: none"> • NDA (Naphthalene-2,3-dicarboxaldehyde) 	405
<ul style="list-style-type: none"> • Amino acids, peptides, neuropeptides • Immunoglobulins, IgG • Polysaccharides 	<ul style="list-style-type: none"> • FITC (Fluorescein isothiocyanate) • FQ (3-(2-furoyl)quinoline-2-carboxaldehyde) • APTS (8-Aminopyrene-1,3,6-trisulfonic acid trisodium salt) • FAM (fluorescein amidite) • Yoyo-1 iodide • Cy2 	445 473 488
<ul style="list-style-type: none"> • Nucleic acids (DNA/RNA) • Nucleic acids (DNA) • Oligonucleotides 	<ul style="list-style-type: none"> • 5-Tamra.SE (5-carboxytetramethylrhodamine succinimidyl ester) • Cy3 	515 532
<ul style="list-style-type: none"> • Immunoglobulins, IgG • Oligonucleotides 	<ul style="list-style-type: none"> • Cy5 	594 633
<ul style="list-style-type: none"> • Oligonucleotides 		642 785

Interface with CE System

With Agilent Technologies 7100 CE:

- Detection inside of Agilent cassette
- LIF Driver for a full control of the LIF into Agilent OpenLAB CDS ChemStation software

With other CE:

- Beckman PA800+
- PrinCE Next
- For other CE please contact Picometrics

Interface with HPLC System

- Compatible with all LC systems
- Optimal sensitivity is achieved at flow rates < 0.5 mL/min

Interface with MS System

- Online CE-LIF-MS
- Online LC-LIF-MS
- Detection cell as close as possible to the MS system

Analysis Services

Thanks to our experience in many applications fields such as antibodies, glycans, amino acids, nucleic acids... we offer a wide range of analysis services through our laboratories and can provide tailor-made solutions to customers:

- Customized consulting services (sample processing)
- Development of methods
- Training on CE-LIF and LC-LIF systems (labeling process, method of analysis...)



US patents 5,926,271 & 7,158,227 B12
Fr Patent 2827 958

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