

LASER Induced Fluorescence Detector



WAVELENGTH

266 nm

355 nm

405 nm

488 nm

532 nm

642 nm

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 us.

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) 	405 445
<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, SYBR Green • Cy2 	473 488
<ul style="list-style-type: none"> • Nucleic acids (DNA/RNA/Aptamer) • 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 	<ul style="list-style-type: none"> • Cy3 	594
<ul style="list-style-type: none"> • Oligonucleotides 	<ul style="list-style-type: none"> • Cy5 	633 642
<ul style="list-style-type: none"> • Oligonucleotides 		785

Interface with CE System

With Agilent Technologies 7100 CE:

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

With other CE:

- Sciex P/ACE MDQ
- Wyn-CE
- PrinCE Next

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



Contact us

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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 systems (labeling process, method of analysis...)