

LED Induced Fluorescence Detector



WAVELENGTH

NEW

365 nm MONO POLYSACCHARIDES

450 nm AMINO ACIDS, MONO POLYSACCHARIDES

480 nm AMINO ACIDS, PEPTIDES, OLIGONUCLEOTIDES

530 nm IMMUNOGLOBULINS, IGG, OLIGONUCLEOTIDES

640 nm OLIGONUCLEOTIDES

Key Benefits

- **Ultra Sensitivity** for CE and LC
- Keep the same and ultimate sensitivity as Laser Induced Fluorescence technology
- Increase the life time and reduce the cost of replacing the light source
- Easy to set up
- Small footprint
- On-line CE or LC-LIF-MS
- Dual emission wavelength



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.

HOW TO CHOOSE YOUR WAVELENGTH

MOLECULES	DYES	nm
<ul style="list-style-type: none"> • Mono, Polysaccharides 	<ul style="list-style-type: none"> • 2AB (2-aminobenzamide) • 2AA (2-amino-benzoic-acid) 	365
<ul style="list-style-type: none"> • Amino acids, Catecholamines • Mono, Polysaccharides 	<ul style="list-style-type: none"> • NDA (Naphthalene-2,3-dicarboxaldehyde) • APTS (8-Aminopyrene-1,3,6-trisulfonic acid trisodium salt) 	450
<ul style="list-style-type: none"> • Amino acids, peptides, neuropeptides • Immunoglobulins, IgG • Mono, 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 	480
<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 	530
<ul style="list-style-type: none"> • Immunoglobulins, IgG • Oligonucleotides 	<ul style="list-style-type: none"> • Cy5 	640

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

Contact us

info@picometrics.com

Picometrics Technologies

478 Rue de la Découverte 31670 Labège – France

Tel: +33 (0)5 31 61 50 90 – Fax: +33 (0)5 31 61 50 99