

LED[®] Induced Fluorescence Detector



W A V E L E N G T H

275 nm AMINO ACIDS, PROTEINS

365 nm MONO POLYSACCHARIDES

450 nm AMINO ACIDS, MONO POLYSACCHARIDES

480 nm AMINO ACIDS, PEPTIDES, NUCLEIC ACIDS

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 lifetime and reduce costs 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
Amino Acids, Proteins	Native Fluorescence	275
Mono, Polysaccharides	2AB (2-aminobenzamide) 2AA (2-amino-benzoic-acid)	365
- Amino acids, Catecholamines - Mono, Polysaccharides	- NDA (Naphthalene-2,3-dicarboxaldehyde) - APTS (8-Aminopyrene-1,3,6-trisulfonic acid trisodium salt)	450
- Amino acids, peptides, neuropeptides - Immunoglobulins, IgG - Mono, Polysaccharides	- FITC (Fluorescein isothiocyanate) - FQ (3-(2-furoyl)quinoline-2-carboxaldehyde) - APTS (8-Aminopyrene-1,3,6-trisulfonic acid trisodium salt)	480
- Nucleic acids (DNA/RNA/Aptamer) - Nucleic acids (DNA) - Oligonucleotides	- FAM (fluorescein amidite) - Yoyo-1 iodide, SYBR Green - Cy2	
Immunoglobulins, IgG	5-Tamra.SE (5-carboxytetramethylrhodamine, succinimidyl ester)	530
Oligonucleotides	Cy3	
Oligonucleotides	Cy5	640

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 software

With other 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 close to MS system



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

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 customers with tailor-made solutions:

- Customised consulting services (sample processing)
- Development of methods
- Training on CE-LIF systems (labelling process, method of analysis...)