

# LED) Induced Fluorescence Detector



## WAVELENGTH

**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 lifetime 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"> <li>• <b>Mono, Polysaccharides</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>2AB</b> (2-aminobenzamide)</li> <li>• <b>2AA</b> (2-amino-benzoic-acid)</li> </ul>	365
<ul style="list-style-type: none"> <li>• <b>Amino acids, Catecholamines</b></li> <li>• <b>Mono, Polysaccharides</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>NDA</b> (Naphthalene-2,3-dicarboxaldehyde)</li> <li>• <b>APTS</b> (8-Aminopyrene-1,3,6-trisulfonic acid trisodium salt)</li> </ul>	450
<ul style="list-style-type: none"> <li>• <b>Amino acids, peptides, neuropeptides</b></li> <li>• <b>Immunoglobulins, IgG</b></li> <li>• <b>Mono, Polysaccharides</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>FITC</b> (Fluorescein isothiocyanate)</li> <li>• <b>FQ</b> (3-(2-furoyl)quinoline-2-carboxaldehyde)</li> <li>• <b>APTS</b> (8-Aminopyrene-1,3,6-trisulfonic acid trisodium salt)</li> <li>• <b>FAM</b> (fluorescein amidite)</li> <li>• <b>Yoyo-1 iodide, SYBR Green</b></li> <li>• <b>Cy2</b></li> </ul>	480
<ul style="list-style-type: none"> <li>• <b>Nucleic acids</b> (DNA/RNA/Aptamer)</li> <li>• <b>Nucleic acids</b> (DNA)</li> <li>• <b>Oligonucleotides</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>5-Tamra.SE</b> (5-carboxytetramethylrhodamine, succinimidyl ester)</li> <li>• <b>Cy3</b></li> </ul>	530
<ul style="list-style-type: none"> <li>• <b>Immunoglobulins, IgG</b></li> <li>• <b>Oligonucleotides</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Cy5</b></li> </ul>	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 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



US patents 5,924,271 & 7,158,227 B12  
Fr Patent 2827958

### 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...)