



## ATTO AND DYOMICS FLUORESCENT DYE MODIFICATIONS- THE REAL ALTERNATIVE FOR A MULTITUDE OF APPLICATIONS

Eurofins MWG Operon offers new fluorescent dyes from Atto-Tec and Dyomics as real alternatives to specific oligo modifications in respect to physical properties and price.

**ATTO and Dyomics fluorescent dyes** are characterised by

- High extinction coefficients
- High fluorescence quantum yields
- Large Stoke-Shift
- High stability to photo-bleaching

These new dyes can be utilised for a multitude of applications such as multiplex PCR, fragment analysis, DNA sequencing, AFLP or qPCR approaches.

### Specification

- Available in 4 different synthesis scales
- HPLC purification by default
- Quality control by
  - Trityl monitoring
  - OD measurement
  - MALDI-TOF MS
- Delivery format: lyophilised

ATTO- & DY-Dyes are part of our "Modified Oligos à la Carte" and available as 3', 5' and internal modifications.

## Selection of ATTO-Dyes & DY-Labels

| ATTO-Dyes | Abs | Em  | Ext. Coeff. | Alternative for       |
|-----------|-----|-----|-------------|-----------------------|
| ATTO 390  | 390 | 479 | 24,000      | Alexa Fluor 350       |
| ATTO 425  | 436 | 484 | 45,000      | Alexa Fluor 430       |
| ATTO 465  | 453 | 508 | 75,000      | LC 480 Cyan 500       |
| ATTO 488  | 501 | 523 | 90,000      | Alexa Fluor 488       |
| ATTO 550  | 554 | 576 | 120,000     | NED & Alexa Fluor 555 |
| ATTO 565  | 563 | 592 | 120,000     | PET                   |
| ATTO 610  | 615 | 634 | 150,000     | Alexa Fluor 610       |
| ATTO 633  | 629 | 657 | 130,000     | LIZ                   |
| ATTO 647N | 644 | 669 | 150,000     | Alexa Fluor 647       |
| ATTO 700  | 700 | 719 | 120,000     | IRD 700               |

| DY-Labels | Abs | Em  | Ext. Coeff. | Alternative for       |
|-----------|-----|-----|-------------|-----------------------|
| DY-350    | 390 | 479 | 24,000      | Alexa Fluor 350       |
| DY-415w   | 418 | 467 | 34,000      | Alexa Fluor 430       |
| DY-549    | 554 | 566 | 150,000     | NED & Alexa Fluor 555 |
| DY-610    | 610 | 630 | 80,000      | Alexa Fluor 610       |
| DY-649    | 655 | 674 | 250,000     | Alexa Fluor 647       |
| DY-682    | 690 | 709 | 140,000     | IRD 700               |
| DY-782    | 782 | 800 | 170,000     | IRD 800               |

Other ATTO-dyes and DY-Labels are available on request.

ATTO-Dyes have been developed and are produced by ATTO-TEC GmbH, Siegen, Germany

DY-Labels have been developed and are produced by Dyomics GmbH, Jena, Germany

## Any Questions?

Feel free to contact our customer support team if you need any assistance.



### Email:

support@eurofinsdna.com

### Phone:

+49 8092 8289-77

### Our official business hours are:

8 a.m. – 6 p.m. CET

### Free Phone Numbers:

|             |              |
|-------------|--------------|
| Italy       | 0800 785950  |
| France      | 0800 903807  |
| Denmark     | 8088 1262    |
| UK          | 0800 0323135 |
| Ireland     | 1800 555056  |
| Sweden      | 020 798148   |
| Norway      | 0800 13844   |
| Finland     | 0800 112744  |
| Switzerland | 0800 562013  |