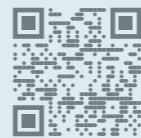


# 10 SECOND OVERVIEW



- » Synthetic DNA & RNA oligonucleotides
- » Optimised parameters for specific applications
- » Quality ensured by 100% QC
- » Fastest delivery throughout EU
- » Easy ordering and tracking

” WE ARE HIRING!  
EXPERIENCE YOUR  
FULL POTENTIAL AT  
EUROFINS GENOMICS



## EUROFINS GENOMICS

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## Oligonucleotide Synthesis

” Benefit from 30 years  
of experience in genomics



THE DNA UNIVERSE

DISCOVER ALL DETAILS  
OF OUR OLIGO PORTFOLIO  
BEHIND THE QR CODE.



### DID YOU KNOW THAT...

...in 1990 the oligo price/  
base was 15.00 DM

...we had the first barcode driven  
production process

...we started the first oligo  
online shop

...we produce over  
50.000.000 bases/year



### Oligonucleotide Synthesis



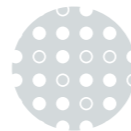
### Gene Synthesis & Molecular Biology



### Sanger Sequencing



### Next Generation Sequencing



### Genotyping & Gene Expression

### BUILT FOR YOU

Pre-designed and validated packages  
for standard applications

#### Optimised Application Oligos

- Oligos designed and validated for the most common applications:
  - End-point PCR & real-time / qPCR
  - Sanger sequencing
  - Cloning applications & CRISPR
  - Next generation sequencing
- Production conditions optimized together with our genomics experts in-house who use them in their daily work
- qPCR probes for various probe-based qPCR assays:
  - Dual Labelled Probes  
Classical TaqMan Probes incl. Molecular Beacons
  - MGB Probes  
Probes with a minor groove binder and a quencher
  - LocNA Probes  
Probes containing LNA bases
  - Ultimate Precision Probes  
Probes containing a single internal quencher

### BUILD YOUR OWN

Flexible standardized modules for easy  
design of custom solutions

#### Custom DNA Oligos

- Oligo lengths: 10 - 120 bases
- Synthesis scale: 0.01 - 10  $\mu$ mol
- Purification options: Salt Free, HPSF, HPLC
- Delivery format: tubes or plates, lyophilised or in solution

#### Custom RNA Oligos

- Single strand RNA up to 80 bases  
Desalted or HPLC purified; 0.05 - 1.0  $\mu$ mol scale
- O-Methyl-RNA/Chimerics with 6-80 bases  
HPLC purified; 0.05 - 1.0  $\mu$ mol scale
- siMAX siRNA with 17 - 27 bases as annealed duplex  
HPLC purified; 20 nmol or 40 nmol

#### Modifications – for DNA and RNA oligos

- Fluorescent dyes (e.g. FAM, HEX)
- Non fluorescent modifications (e.g. Biotin)
- Spacer, linker, base & sugar modifications
- Dark quencher (e.g. BHQ)