Ordering & Custom Projects.

Ordering of Custom DNA Oligos

Conveniently order your custom DNA oligos in tubes and 96well plates via our online shop.

- Easy upload and copy & paste options
- Modifications can be entered directly in the sequence
- Normalisation and aliquoting service can be selected
- Set personal preferences during checkout
- Convenient payment with the EVOcard

Convenient payment with the EVOcard.

Custom projects

Eurofins Genomics has the flexibility and capability to perform custom projects for your special needs:

- Normalisation, mixing & pooling of primers and probes
- **Large scale synthesis** from mg to gram quantities
- Manufacturing of **GMP oligonucleotides**

Please send us your request to outlining your specific scope and project requirements.

Oligo Quality Assurance.

ISO 9001, ISO 13485 and cGMP certification

To ensure the high quality of our Custom DNA Oligos, we have based the quality assurance on four fundamental controls:

Supply control

All supplied reagents for the manufacturing process under-go incoming component inspection to comply with our strict quality requirements. In addition, all suppliers are regularly audited.

Process control

Our oligonucleotides are produced in a highly automated synthesis facility. A proprietary barcode driven production system, directly linked to the order system, controls the entire process, ensuring impeccable products.

Product control

Every Custom DNA Oligo undergoes strict analytical quality controls to verify the correct quantity and quality. The quantity is calculated using OD measurement. The quality and identity of each oligo is measured by MALDI-TOF MS and in some cases by capillary gel electrophoresis (CGE).

Performance control

Measuring the performance of oligos is a crucial step in our quality assurance. Our oligos are validated and used inhouse for DNA sequencing, NGS, real-time PCR, gene synthesis and DNA cloning services.

ISO 9001 CERTIFIED · ISO 13485 CERTIFIED · cGMP COMPLIANT

Feel Free To Contact Us.

Toll free phone numbers

Austria	0800 296 562
Belgium	0800 77862
Denmark	8088 1262
Finland	0800 112 744
France	0800 903 807
Ireland	1800 555 056
Italy	800 785 950
Luxemburg	8002 6418
Netherlands	0800 0226215
Norway	800 138 44
Sweden	020 798 148
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eurofins Genomics

Custom DNA Oligos

More Than 20 Years Of Experience.

DNA Oligos In Tubes & Plates.

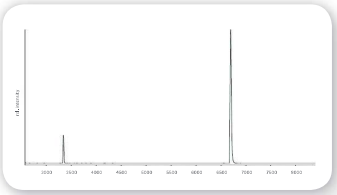
Specify your Custom DNA Oligo

Eurofins Genomics offers Custom DNA Oligos delivered in **tubes and plate formats**.

- Synthesis scales from 0.01–10 µmol
- Multiple oligo purification options
- Large variety of modifications
- Lyophilised or adjusted to a specific concentration
- Sequence length from 5–120 bases; longer on request

100% QC of each oligo – since 1998

Each and every oligo is checked by OD measurement and MALDI-TOF MS analysis.



MALDI analysis of an oligo: 26.01.2015.

Oligo documents & data sheets

All relevant documents are provided in your online account and as a printout on request:

- Oligo synthesis report and delivery note
- Plate report
- Quality report incl. QC spectra

Oligo Purification Options....

Select your required purity and yield

With Customised DNA Oligos you have the choice of four different purification levels for oligos 5–120 bases in length.

Salt Free oligos

- Available for all unmodified DNA oligos
- Deprotected
- Free from protection groups and salt
- Turnaround time of 1–3 working days

Guaranteed yields:

Length [bases] Synthesis Scale	5-17	18-35	36-50	51-80	81-120
0.01 µmol	3	4	7	xxx	xxx
0.05 µmol	4	6	10	10	10
0.2 µmol	10	12	20	25	25

Minimum OD for unmodified DNA oligos.

HPSF purification (High Purity Salt Free)

- Available for all unmodified and most modified oligos
- Free from any chemicals, truncated sequences and salts
- Guaranteed **purity of >70%** measured by CGE*
- Turnaround time of 1–3 working days

Guaranteed yields:

Length [bases] Synthesis Scale	5-17	18-35	36-50	51-80	81-120
0.01 µmol	1.5	2	2.5	xxx	xxx
0.05 µmol	2	3	5	3	3
0.2 µmol	4	6	10	10	10

Minimum OD for unmodified DNA oligos.

*Purity measured by CGE (Capillary Gel Electrophoresis) is routinely achieved but may vary due to sequence composition.

...And Guaranteed Yields.

HPLC purification

- Available for all modified and unmodified DNA oligos
- Removal of protecting groups and truncated sequences
- Guaranteed **purity of >80%** measured by CGE*
- Turnaround time of 3–5 working days

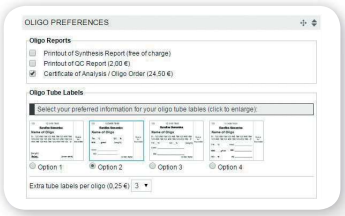
Guaranteed yields:

Length [bases] Synthesis Scale	5-17	18-35	36-50	51-80	81-120
0.01 µmol	1	1.5	2	xxx	xxx
0.05 µmol	2	2.5	3	3	3
0.2 µmol	4	6	8	8	8

Minimum OD for unmodified DNA oligos.

PAGE purification

- Available for all unmodified and a selection of modified oligos
- Free from truncated sequences and any salts
- Guaranteed yield of **0.5 OD**
- Guaranteed **purity of >90% for up to 60 mers and >85% for up to 120 mers** measured by CGE*
- Turnaround time of 5–8 working days



Screenshot of selectable oligo preferences during checkout.

DNA Oligo Modifications.

Pick from >80 different modifications

More than 80 common and alternative modifications in different synthesis scales and purification options are available for your individual applications:

Fluorescent dyes

- Common ABI dyes such as FAM, HEX, TET, JOE, ROX
- Cyanine dyes and Yakima Yellow, ATTO and Dyomics dyes
- Molecular Probes like Alexa Fluor and Bodipy dyes

Non fluorescent modifications

- Biotin and Biotin-TEG
- Various Amino-modifiers
- Phosphate, Thiol-modifiers and TINA

Spacer, linker, base & sugar modifications

- C3 and C18 Spacer, dSpacer (Deoxyabasic)
- Modified bases such as 2'-Deoxyinosine - and uridine
- Internal linkers like Amino C6-dT

Dark quencher

- Black Hole Quencher (BHQ1, BHQ2, BHQ3)
- BlackBerry Quencher 650 (BBQ650)
- Dabcyl and Eclipse quencher

PTO – Phosphorothioate oligos

PTOs are also known as "S-oligos". The phosphorothioate bond substitutes a sulfur atom for a non-bridging oxygen in the phosphate backbone of an oligo.

Other modifications and labels on request. The complete overview of all modifications is available on our website **eurofinsgenomics.com**.