



Genomics

NGSgrade Oligos

Verified By Our Next Generation Sequencing Lab.

THE PERFECT MATCH!



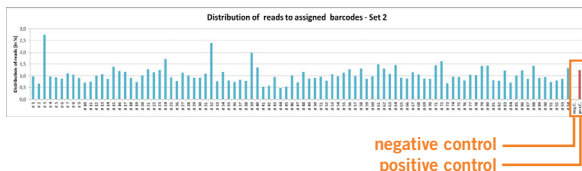
The Perfect Match.

Verified by our NGS lab

With thousands of finalised genomes sequenced, Eurofins Genomics has exceptional expertise in sequencing amplicons, transcriptomes and genomes using NGS technology.

Matching this comprehensive NGS know-how with 20 years of oligonucleotide synthesis has led us to develop the NGSgrade oligo.

NGSgrade oligos reduce the risk of barcode misinterpretation during multiplex next generation sequencing!



Results of an analysis of 1000 fish samples with 192 different adaptors with negative (w/o template but adaptors) and positive control (human gDNA): → No cross-contamination of reads from other

NGSgrade oligos are perfectly suited for the demands of any NGS application on all types of instruments and technologies.

- Guaranteed purity of > 80% by HPLC purification
- Specific cross-contamination free processes after synthesis
- Stringent quality criteria checked by MALDI-TOF MS or CGE*

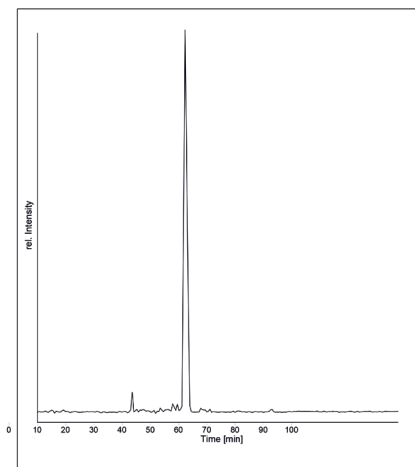
* Capillary Gel Electrophoresis

Trusted Quality.

Dedicated manufacturing processes

ISO 9001:2008 certified and compliant with ISO 13485, Eurofins Genomics is a leading service provider of custom DNA & RNA oligonucleotides.

- **Dedicated manufacturing**
Inhouse oligo production lab with controlled synthesis processes
- **Validated performance**
Testing of NGSgrade oligos in our NGS lab for optimum performance
- **Guaranteed quality**
Stringent quality criteria checked by MALDI-TOF MS or Capillary Gel Electrophoresis



Measured purity:
94.2%

Length:
80 bases

GC:
51.3%

Outstanding Flexibility.

Save time and effort

NGSgrade oligos offer the highest flexibility for all research needs.

- **Variable design**
Individual layout of NGS adaptors or fusion primers for Illumina, PacBio and Ion Torrent instruments
- **Wide selection**
Varying amounts of the NGSgrade oligos are available depending on project requirements
- **Highly versatile**
NGSgrade oligos are perfectly suited for many core NGS applications

Application	Unmodified oligos	Modified oligos	PTO oligos
Amplicon Sequencing	✓		
Genome Sequencing		✓	✓
Transcriptome Sequencing		✓	✓



Trusted products for better research.

Maximum Ordering Convenience.

Easily order your NGSgrade oligo online!

Plausibility checks, status tracking, email notifications and many other helpful online features ensures maximum order convenience.

- Visit eurofinsgenomics.eu and click on NGSgrade oligos in tubes or NGSgrade oligos in plates under "Select Product"
- Specify your NGSgrade oligos by name and DNA sequence inclusive phosphorothioate bounds
- Define your required oligo settings like modifications, synthesis scale (10nmol - 1.0µmol) and delivery format

The screenshot shows a web interface for specifying oligos. At the top, there are two tabs: "Select your entry format" and "Specify your oligos". Below the tabs is a section titled "SPECIFY YOUR OLIGOS". A blue banner reads "+++ Special NGSgrade Process +++ QC by MALDI-TOF MS +++ Conc. Adjustment for Free +++". Underneath, there is a sub-section "NGSgrade Oligo # 1". The form includes a "Name (1 - 25 characters)" field, a "Sequence (5' -> 3')" field with a "Click for more info" link, and an "Example" field containing the sequence "ACTGACTGACTGA[U]CTGACTGAC[]TGACTGACT[5MedC]CAOGACTGACTGCATGA". Below the sequence field, there are fields for "Length: 51mer", "QC: 47.1%", "Tm: 75.8° C", and "MW: 16361.6g/mol". The "Modifications, Purification, Scale" section includes a "Modifications" dropdown set to "5' FAM [FAM]", an "Int." dropdown set to "-Select-", an "Insert" button, a "3'" dropdown set to "Amino-C6 []", and an "Apply to all oligos" link. The "Purification & Scale" section includes a "Purification" dropdown set to "HPLC" and a "Synthesis Scale" dropdown set to "0.05 µmol" with a "Save" button. At the bottom, there is a "Normalisation, QC, Reports" section with an "open" button and a footer with links for "Delivery Format", "Conc. Adjusted (p20)", "Quality Control/MALDI-TOF MS", "QC Report/Online QC Report", "Personal Note/Add personal notes to each oligo", and "(change)".

- Submit your entries with the "Add to Cart" button
- Checkout your cart with "Order Now"

Available Modifications	5'	Internal	3'
2'-Deoxyinosine [I], 2'-Deoxyuridine [U]	x	x	x
Phosphate [PHO], Amino-C6 [AmC6]	x		x
FAM [FAM], Biotin [BIO]	x		
Amino-C3 [AmC3], Amino-C7 [AmC7], Biotin-TEG [BITEG]			x
dSpacer [Spd]		x	
Spacer C3 [SpC3], 5-Methyl-dC [5MedC]		x	x

Feel Free To Contact Us.

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