



Custom oligos

For diagnostic & testing excellence

From in-house assays to commercial kits

With over 40 years of oligonucleotides manufacturing expertise, we support diagnostic and testing professionals at every stage, from routine in-house assays to regulated kit production.



Oligo grades
**from research to
diagnostics**



Custom oligos with
various modifications,
purifications and QCs



IP-free technology
to simplify your
path to market



ISO-certified process
and oligo supply
continuity

Oligos for testing and diagnostic professionals

We offer a continuum of oligonucleotide grades : Research, Track™, pre-Diagnostic and Diagnostic. Each designed to align with a specific phase of your assay lifecycle and your regulatory environment.

Custom oligos for in-house assays

We manufacture oligonucleotides with flexibility, rapidity and quality.

Custom oligos for market entry

Enhanced traceability oligonucleotides balancing speed, quality, and control.

Custom oligos for testing kit suppliers

Reliable supply continuity for large-scale oligo production.

Oligonucleotide Grades	Research	Track™	Pre-Diagnostic	Diagnostic
Process				
Dedicated Project Management	Option	✓	✓	✓
Customized Fill & Finish	Option	Option	✓	✓
Quality Management				
ISO 9001 Certified Process	✓	✓	✓	✓
ISO 13485 Certified Process	-	-	✓	✓
Qualification/Validation [Equipment & Method]	-	Partial	✓	✓
Controls				
Quantification	Single	Dual	Triple	Triple
Stringent QC Tests [Validated]	-	✓	✓	✓
Traceability	Partial	Documented	Documented	Full Documented
Batch Record [Archived for 5 years]	-	-	Partial	Full
Classified Cleanroom	-	-	✓	✓
Certificate of Analysis [CoA]	-	✓	✓	✓

We provide state-of-the-art technologies for your assay

We offer a broad range of chemistries, backbones, and modifications — including fluorescent primers, biotinylated primers, **LNA®**, double-dye probes, **MGB™ probes**, and molecular beacons. All tailored for diagnostics and testing assays, in **single or multiplex** format.

Gain freedom with IP-free oligonucleotides

IP-free dyes and quenchers give you **full freedom to operate**, no licenses, royalties, or commercialization hurdles. They also **simplify** CE-IVD and FDA **submissions**. Available across RUO, Track™, pre-Diagnostic, and Diagnostic grades.

Rely on 40+ years of expertise

We support diagnostic and testing professionals with **trusted oligo expertise**, reliable documentation, and **scalable manufacturing**. Our GMP-trained staff ensures precision, **traceability**, and regulatory alignment at every step.

Ensure continuity of your oligo supply

Diagnostic grade oligos are manufactured in ISO-classified cleanrooms under ISO 13485-compliant processes. Our **high-capacity** synthesis platform, **trusted suppliers**, and validated workflows guarantee the **continuity** of your oligo supply. Even for high-throughput or time-sensitive diagnostic applications.



CUSTOMIZATION AT EVERY LEVEL

Synthesis

- From lab to large scale
- > 300 modifications
- Backbones (LNA®, DNA) and PTO links
- Double dye probes incl. MGB Eclipse®

Purifications

- RP-cartridge-Gold®
- Ion exchange HPLC (IEX-HPLC)
- Reverse-phase HPLC (RP-HPLC)
- Dual HPLC
- Ultrafiltration [Large scale]
- Dedicated purification columns available for Diagnostic grade

QCs

- Quantification (UV spectrophotometry)
- Physical inspection
- Mass spectrometry: ESI-TOF, MALDI-TOF, LC-MS
- Ion exchange UHPLC (IE-UHPLC)
- Reverse-phase UHPLC (RP-UHPLC)
- Optional & custom QC release methods
- Product stability testing for Diagnostic grade

Formulations

- Custom mixtures of individual oligonucleotides
- Dried or in solution (100µM H₂O or Tris Buffer)
- Custom buffer
- Bulk or aliquoted into tubes or plates
- Custom fill & finish
- Custom packaging and labeling for Diagnostic grade

Project workflow

Your dedicated partner for clarity, speed, and compliance

1 Project definition

- Meet your dedicated Project Manager
- NDA set up
- Feasibility assessment
- definition of needs, goals, and timelines

2 Design & strategy

- Support for oligo design, QC and grade selection
- Regulatory guidance and documentation
- IP-free strategy for commercial freedom

3 Manufacturing phase

- Proactive updates on production progress
- Transparent communication of timelines and checkpoints

4 Shipping & delivery

- Shipment notification and delivery scheduling
- Tracking information

5 Post-delivery support

- Scientific experts for technical troubleshooting
- Follow-up to confirm satisfaction and performance
- Easy reordering option
- Option for supply agreement



Oligo solutions for every assay



Human clinical diagnostics

Detect infectious diseases, cancer biomarkers, genetic conditions, or perform forensic identification.



Veterinary testing

Ensure animal health, detect zoonotic and species-specific pathogens.



Environmental testing

Monitor and detect microbial contamination through eDNA sampling in water, soil, or wastewater.



Agricultural testing

Detect plant pathogens, GMOs, and varietal ID to protect crops and seeds.



Food & Feed Safety

Detect food allergens, plant species (such as gluten sources), and foodborne pathogens like Listeria or Salmonella.



QC for Biopharma

Detect residual DNA, mycoplasma, and adventitious agents to ensure quality in biologics and cell therapy workflows.



Scan this code and
Start your project with us!