

CUSTOM

OLIGONUCLEOTIDES

From Discovery to the Clinic

The Possibilities Are Infinite

Bio-Synthesis has been a leader in nucleic acid technology since 1984. Our expertise in nucleic acid chemistry has enabled us to provide our clients with extensive selection of dyes, quenchers, modified bases, linkers, spacers, and bifunctional or trifunctional conjugates. In addition to standard DNA or RNA oligonucleotides, we also specialize in complex constructs such as oligonucleotides with base ribose (LNA) and backbone modifications (BNA). We routinely incorporate reported groups like dyes and haptens into DNA, RNA, LNA and BNA. Our consistency and flexibility in producing superior oligonucleotides with unbeatable delivery time make Bio-Synthesis the company of choice for pharmaceutical, biotech and academic researchers worldwide.

All of our oligo quality is always guaranteed!

- ▶ Desalted, deprotected, ready-to-use
- ▶ Quality checked by MALDI-TOF mass spectrometry, HPLC and/or polyacrylamide gel electrophoresis (PAGE).
- ▶ Guaranteed sequence, quality and quantity
- ▶ All oligos are delivered with QA documentation

Standard Synthesis

- ▶ 0.1, 0.25, 1.0, 5.0, 10.0, and 15.0 μ mole scale
- ▶ *UberGENE*[™] oligo synthesis of up to 250 bases
- ▶ Phosphodiester/ phosphorothioates
- ▶ DNA, RNA, LNA, BNA and other base analogs
- ▶ 2' Fluoro/ methylphosphonate

Mid-Scale Oligonucleotide Synthesis

- ▶ 50 mgs to 10 grams
- ▶ Oligo modifications available
- ▶ DNA/ RNA or other base analogs
- ▶ cGMP and ASR manufacturing available

Oligonucleotide Modifications

- ▶ Linkers, spacers
- ▶ Fluorescent conjugates
- ▶ Quenchers, other conjugates DNA-BNA, RNA-BNA, or oligonucleotide-peptide
- ▶ Modified bases

Other Oligonucleotide Services

- ▶ DNA for high-throughput applications
- ▶ Chimeric oligonucleotides
- ▶ Long oligos for gene expression
- ▶ Double stranded RNA for RNA interference
- ▶ Oligonucleotides for antisense technology
- ▶ Oligonucleotide microarray

BIOSYN.COM

Service across Genomic, Proteomic, and Cell Biology



BIOSYNTHESIS
COMMITTED TO BIOMIC RESEARCH

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