

CUSTOM DNA OLIGOS

Precision and Consistency for Reliable Results

At Synbio Technologies, we leverage state-of-the-art synthesizers and our highly experienced team to deliver exceptional capabilities in DNA oligo synthesis. Our goal is to provide high-quality custom DNA oligo products to scientific researchers and industrial customers worldwide. With our advanced and innovative manufacturing process, we offer a diverse range of custom DNA oligo synthesis options. These include standard oligos, micro-oligos, large-scale oligos, degenerate primers, and long oligos synthesis.



At Synbio Technologies, we take pride in our ability to bring personalized solutions to every oligo synthesis request. Our products have been certified with ISO 9001 & ISO 13485 standards, ensuring their quality and reliability. Thanks to their exceptional accuracy, our oligos are frequently used in the fields of precision medicine, genetic disease detection, infectious disease detection, as well as the food & agriculture industries. With our cutting-edge technology and team of experts, we are well equipped to meet any and all of your oligo synthesis needs.

UNBEATABLE ADVANTAGES

WHY CHOOSE OUR SERVICES?



High quality, quick turnaround, and affordable pricing.



Customization: choose from 200+ modifications.



Efficient synthesis with an average mutation rate lower than 1/1000.



Various synthesis scales with seven purification options and delivery forms.



ISO 9001 & ISO 13485 Certified quality control ensures reliability.



Professional support: our dedicated team is ready to assist you every step of the way.

STANDARD OLIGOS

Synbio Technologies is a leading provider of fast and efficient PCR project solutions. We specialize in standard DNA oligo synthesis, which is a quick and hassle-free process that saves you both time and money. Our services eliminate the need for a design fee, making it the ideal solution for over 95% of application scenarios.

Standard Oligo Synthesis (Price per Base)

Synthesis Scale	10nm	25nm	50 nmol	100 nmol	200 nmol	1 µmol
11-59nt	\$0.07	\$0.10	\$0.15	\$0.30	\$0.40	\$1.00
60-90nt	\$0.08	\$0.12	\$0.18	\$0.35	\$0.50	\$1.20

* Longer oligos, 96/384 plate batch oligos or other large scale synthesis are available. For more information, please contact us.

** Please refer to the purification table for the final output corresponding to different synthesis scale.

Purification (Price per Oligo)

	Purification Method	Synthesis Scale	10nm	25nm	50 nmol	100 nmol	200 nmol	1 µmol
11-59nt	DSL	Final Yield	1 OD	2 OD	5 OD	10 OD	15 OD	50 OD
		Price	Free	Free	Free	Free	Free	Free
	PAGE Plus	Final Yield	–	–	2 OD	5 OD	10 OD	30 OD
		Price	–	–	\$5.00	\$5.00	\$5.00	\$5.00
	PAGE	Final Yield	–	–	–	2 OD	5 OD	10 OD
		Price	–	–	–	\$15.00	\$15.00	\$30.00
	HPLC	Final Yield	–	–	–	2 OD	5 OD	10 OD
		Price	–	–	–	\$10.00	\$10.00	\$20.00
60-90nt	DSL	Final Yield	1 OD	2 OD	5 OD	10 OD	15 OD	50 OD
		Price	Free	Free	Free	Free	Free	Free
	PAGE Plus	Final Yield	–	–	2 OD	5 OD	10 OD	30 OD
		Price	–	–	\$5.00	\$5.00	\$5.00	\$5.00
	PAGE	Final Yield	–	–	–	2 OD	5 OD	10 OD
		Price	–	–	–	\$15.00	\$15.00	\$30.00
	HPLC	Final Yield	–	–	–	2 OD	5 OD	10 OD
		Price	–	–	–	\$10.00	\$10.00	\$20.00

* The total price of oligo = price/base*nt + purification price.

** If you need other synthesis scale and lengths, please contact us.

Standard Deliverables

- Lyophilized dry DNA oligo powder, 1 tube (transparent or dark) or 96-well and 384-well plates.
- Certificate of Analysis (COA): including sequence information, OD, Tm, etc.

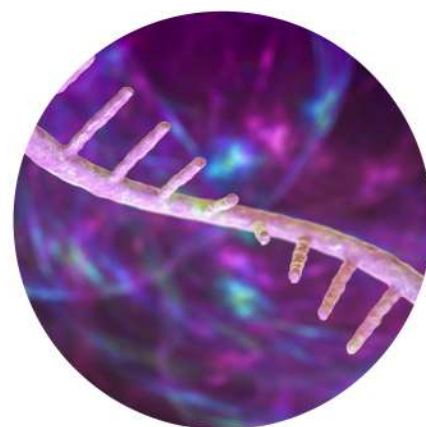
LONG OLIGOS

Our oligo synthesis platform takes care of every detail, utilizing an optimized ultra-long chain design and program to produce long (90-129 nt) and even ultra-long (130–150 nt) high-quality oligos. This meticulous approach ensures that all parts are accounted for with precision to achieve the best possible result.

Length	Quantity	Purification	Turnaround Time	Price
90-109 mer	1 OD	PAGE / Dual-PAGE	5-6 business days	Contact us
110-129 mer	1 OD		5-7 business days	
130-150 mer	0.5 OD		5-8 business days	

MICRO-SCALE OLIGO SYNTHESIS

Length	15-90nt, no fewer than 96 oligos
Final Yield	0.1-1 nmol
Purification	Desalt or PAGE Plus
Turnaround Time/Price	Contact us
Deliverables	Plate delivery or pool delivery



LARGE-SCALE OLIGO SYNTHESIS

Large-Scale Oligo Synthesis (Unmodified DNA Price)				
Final Yield	10–25 nt	26–40 nt	41–55 nt	>55 nt
25 mg	\$1,338	\$1,451	\$1,761	Contact us
50 mg	\$1,427	\$1,524	\$1,797	
100 mg	\$1,587	\$1,761	\$2,119	
200 mg	\$1,693	\$1,949	\$3,208	
250 mg	\$1,787	\$2,042	\$2,480	
500 mg	\$2,383	\$2,795	\$3,438	
1 g	\$4,289	\$4,714	\$5,642	

*If you would like more information on the turnaround time and the price of modified DNA oligos, please contact us.

Purification	QC Analysis	Deliverables	Common Modifications		
			5' Mods	Internal Mods	3' Mods
HPLC / PAGE	HPLC/LC-MS Endotoxin Control/Bioburden (optional)	<ul style="list-style-type: none"> Lyophilized products COA file 	FAM / HEX / TET / JOE / ROX / Amino / Digoxigenin / Biotin / NED / Other	Phosphorothiate / 2'-F / 2'-OME / LNA / Cholesterol / GalNAc / Amino / Other	TAMRA / CY3/ CY5 / dT-Dey /Sp / BHQ-1 / BHQ-2 / BHQ-3 / MGB Other

DEGENERATE PRIMERS

Genetic codes have the tendency to degenerate, which leads to the use of degenerate primers in PCR experiments to exhibit specific genes. Synbio Technologies provides both the design and synthesis of these degenerate primers, as well as custom degenerate oligo pool synthesis upon request.

- Standard Service: No design fee, suitable for more than 95% of PCR projects.
- Superior Service: Utilized for certain projects sensitive to codon bias. Synbio Technologies can significantly reduce the deviation inherent in the synthesis procedures and realize accurate proportional control.

Symbol	Base Type	Standard Ratio
R	A,G	50% : 50%
Y	C,T	50% : 50%
M	A,C	50% : 50%
K	G,T	50% : 50%
S	C,G	50% : 50%
W	A,T	50% : 50%
H	A,C,T	33% : 33% : 33%
B	C,G,T	33% : 33% : 33%
V	A,C,G	33% : 33% : 33%
D	A,G,T	33% : 33% : 33%
N	A,C,G,T	25% : 25% : 25% : 25%

Standard Deliverables

- Lyophilized dry DNA oligo powder, 1 tube (transparent or dark) or 96-well and 384-well plates.
- Certificate of Analysis (COA): including sequence information, OD, Tm, etc.