

★★★★★ Oligo synthesis ★★★★★

Building on our decades of experience and proprietary synthesis platforms, we leverage various types of DNA synthesizers, advanced ammonolysis equipment, high-precision automated workstations, and intelligent online monitoring system. This integrated approach ensures rigorous quality control and enable us to deliver large-scale, high-quality, consistently stable oligo synthesis services to our customers.

Synthesis scale: up to mmol

Capability: 10000 oligos/day

Modification: 400+

Oligo Synthesis






★ Oligo synthesis

- Custom DNA oligos
- Custom RNA oligos
- Oligo modifications

★ qPCR probe

- Taqman probe
- Molecular beacon probe
- Melt curve probe
- Super-quenched probe (Double quencher probe)

Features

-  Strict control of human template contamination and cross-contamination.
-  Guaranteed consistency and stability across batches.
-  Offers multiple synthesis scales.
-  Provides a wide range of modifications for various applications.
-  Offers fast turnaround time and reliable supply.

Customized synthesis

BiOligo offers customized oligo synthesis services tailored to meet users' requirements.

APPLICATION:

Molecular Diagnostics
R&D
Nucleic Acid Drugs

PURIFICATION:

DSL UPAGE PAGE
HPLC DHPLC

MODIFICATION:

Fluorophore
Quencher
Chemical Groups
Spacers
Special Base

SYNTHESIS UNIT:

OD nmol

DELIVERY:

Powder Liquid

PACKAGE FORM:

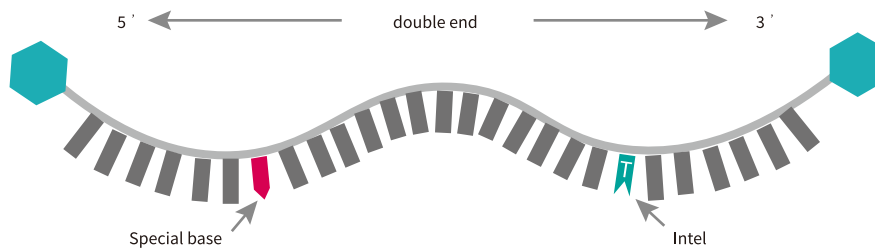
Tube 96-well plate

QUALITY CONTROL:

Appearance
Purity
Molecular weight
Full-wavelength scanning
Human pollution
Cross contamination rate
Inter-batch stability

Modification

BiOligo can offer modification at different positions as required by the customer, including 5' end, 3' end, double-end, middle and special base modification.



We can also provide multiple modifications, including fluorescence, quencher, chemical groups, special base, spacer, phosphorylate modifications etc.

Flourescence

6-FAM	CFO 560
Alexa Fluor 350	CFR 610
Alexa Fluor 405	FITC
Alexa Fluor 430	HEX
Alexa Fluor 488	JOE
Alexa Fluor 532	NED
Alexa Fluor 546	Pacific Blue
Alexa Fluor 555	Quasar 670
Alexa Fluor 568	Quasar 705
Alexa Fluor 594	ROX
Alexa Fluor 647	TAMRA
Alexa Fluor 750	TET
AMCA	Texas Red-X
ATTO 390	VIC
ATTO 425	
ATTO 488	
ATTO 495	
ATTO 532	
ATTO 550	
ATTO 565	
ATTO 594	
ATTO 633	
ATTO 647N	
ATTO 680	
Cy3	
Cy5	
Cy5.5	
Cy7	
CF 405L	

Quencher

BQ-0
BQ-1
BQ-2
BQ-3
BQ-X
TAMRA
Eclipse
Dabcyl
SQ-1
SQ-2
SQ-3
SQ-X

Chemical groups

Biotin
Dual Biotin
Amino linker C6
Amino linker C7
Amino linker C12
Alkyne
Acrydite
Aldehyde
Azide
Azobenzene
Carboxy
Cholesterol
CHCH
DBCO
Digoxigenin
Ferrocene
Maleimide
Thiol C6
Thiol Modifier C6-S-S
Triple SH
Triple Biotin
TMT
ZIP4

Special base

Amino C6 dA/dC/dG/dT
LNA
dI/dU
ddA/ddC
Inverted dT/dC/dA
iso dG
N6-Methyl dA
NPOM-dT
Pyrrolo dC
RNA
rApp
UNA
2-F-RNA
2-O-Methyl RNA
2-MOE RNA
2-Aminopurine
5-Bromo dU
5-Methyl dC
5-Me-iso dC
5-Nitroindole
5-Hydroxymethyl dC
8-oxo dG
β-L-Phosphoramidite

Spacer

dSpacer
PC-linker
Spacer 9
Spacer 18
Spacer C3
Spacer C6
Spacer C12

Phosphorylate

Phosphate
Phosphorothioate

400+

Modification

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