

Custom DNA Oligonucleotide Synthesis

DNA Oligos (unmodified & modified)

Product Lineup

DNA Oligos in tube

Scale	0.03 μ mol Desalted	0.03 μ mol Cartridge-Purified	0.05 μ mol	0.2 μ mol	1.0 μ mol
Price (per base)	¥50	¥70	¥90	¥150	¥400
Desalted	¥0	–	¥0	¥0	¥0
Cartridge-Purified	–	¥0	¥1,000	¥2,000	¥4,000
HPLC-Purified	–	–	¥4,000	¥5,000	¥10,000
Expected Yield (20-mer, desalted)	5 O.D.	3 O.D.	15 O.D.	25 O.D.	80 O.D.
Max. No. of bases	~40mer	~40mer	~80mer	~90mer	~120mer

* These prices above does not include VAT.

* The shipping fee is free except for the order of one tube of 0.03- μ mol desalted oligonucleotide.

* The price of oligos less than 14 bases is the same as that of 14-mer oligos.

* We may suggest considering scale and/or more purification according to difficulty of oligo sequence and/or modification.

* The yields depend on the oligo sequence and/or modification.

Shipping Date

We accept orders Monday through Friday
by 17:00 • • • for Web Order, E-mail Order
by 15:00 • • • for FAX Order

Shipping Date		1 Business Day	2 Business Days	3 Business Days	4 Business Days	5 Business Days	6 Business Days	7 Business Days
0.03 μ mol	Desalted	~40mer						
	Cartridge	~40mer						
0.05 μ mol	Desalted	~49mer	~80mer					
	Cartridge	~49mer	~80mer					
	HPLC					~49mer	~80mer	
0.2 μ mol	Desalted		~90mer					
	Cartridge		~90mer					
	HPLC					~49mer	~90mer	
1.0 μ mol	Desalted		~120mer					
	Cartridge		~120mer					
	HPLC						~49mer	~120mer

* The shipping date is subject to change due to the number of oligos in one order, modifications for oligos, etc.

Custom DNA Oligo Synthesis

Product Lineup

Mixed Bases

No additional fee is required for mixed bases except for inosine*.

<Mixed Base Code>

R	W	S	D	B	N	Y	M	K	H	V	I
A,G	A,T	C,G	A,G,T	C,G,T	A,C,G,T	C,T	A,C	G,T	A,T,C	A,C,G	Inosine

* An additional fee is charged when the mixing ratio is customized, or when the mixed bases are added to the 3'-end of the oligo.

Inosine

Scale	0.05 μ mol	0.2 μ mol	1.0 μ mol
≤ 5 sites \times 1 tube	¥8,000	¥8,000	¥10,000
≤ 5 sites \times 2 tubes	¥6,000	¥6,000	¥8,000
> 5 sites	¥1,000 added per additional inosine		
Inosine at 3'-end	—	¥8,000	¥12,000

* These prices above does not include VAT.

Duplexed Oligos

Annealed oligos that are cartridge- and/or HPLC-purified.

Scale	0.05 μ mol	0.2 μ mol	1.0 μ mol
Annealing (/pair)	¥5,000	¥5,000	¥5,000
Desalt (after annealing oligos)	¥0		
HPLC Purification (after annealing oligos)	¥4,000	¥5,000	¥10,000

* These prices above does not include VAT.

* Synthesis and purification fees for single-stranded oligos before annealing are charged separately.

S-Oligo DNA (Phosphorothioate)

S-Oligo DNA is Oligo DNA whose phosphate groups between nucleotides are phosphorothioated. S-Oligo DNA is tolerant against most nucleases, therefore it is used for antisense experiments.

Scale	1.0 μ mol	2.0 μ mol ~
Set-Up Fee	¥3,000	—
Price (/base)	¥400	¥200 for Additional 1.0 μ mol
Cartridge Purification	¥4,000	¥2,000 for Additional 1.0 μ mol
HPLC Purification	¥10,000	¥5,000 for Additional 1.0 μ mol

* These prices above does not include VAT.

96-well plate type Synthesis • Purification

Scale	0.03 μ mol Desalted	0.03 μ mol Cartridge Purification
Price (/base)	¥45	¥65
Number of nucleotides	up to 35 bases	up to 35 bases

* These prices above does not include VAT.

* This service is acceptable for 96 oligos at once.

* The delivery date is about one week for one 96-well plate.

* Oligos with mixed base are acceptable (Additional fee is charged for mixed bases at 3'-end).

* Prices of Oligos with less than 15-mer are the same as that of 14-mer oligos.

* Inosine, modification, and specialized Oligo are acceptable for 1-tube type Oligo.

Custom Oligo DNA Synthesis

Product Line

5' -end / 3' -end Modification

Modification fee is applied for each tube. The volume discounts are applied for over 1 tube with the same 5' end modification in one order like below. With one tube oligo 5' end and 3' end modified, the fee will be combined.

5' end Modification	Scale / μ mol	1-4 tube(s)	5-9 tubes	10 - tubes
5' Cy3*	0.05 or 0.2	¥15,000	¥14,500	¥14,000
	1.0	¥30,000	¥29,000	¥28,000
5' Cy5*	0.05 or 0.2	¥15,000	¥14,500	¥14,000
	1.0	¥30,000	¥29,000	¥28,000
5' FAM	0.05 or 0.2	¥10,000	¥8,000	¥7,000
	1.0	¥15,000	¥12,000	¥10,500
5' HEX	0.05 or 0.2	¥10,000	¥8,000	¥7,000
	1.0	¥15,000	¥12,000	¥10,500
5' TET	0.05 or 0.2	¥10,000	¥8,000	¥7,000
	1.0	¥15,000	¥12,000	¥10,500
5' ROX (TEXAS RED)	0.05 or 0.2	¥12,000	¥9,600	¥8,400
	1.0	¥20,000	¥16,000	¥14,000
5' TAMRA (Rhodamine)	0.05 or 0.2	¥12,000	¥9,600	¥8,400
	1.0	¥20,000	¥16,000	¥14,000
5' Biotin	0.05 or 0.2	¥10,000	¥8,000	¥7,000
	1.0	¥20,000	¥16,000	¥14,000
5' Amino	0.05 or 0.2	¥5,000	¥4,000	¥3,500
	1.0	¥10,000	¥8,000	¥7,000
5' Phosphorylation	0.05 or 0.2	¥5,000	¥4,000	¥3,500
	1.0	¥10,000	¥8,000	¥7,000
5' Thiol	0.2	¥15,000	¥12,000	¥10,500
	1.0	¥25,000	¥20,000	¥17,500
5' DIG	0.05 or 0.2	Ask us	Ask us	Ask us
	1.0	Ask us	Ask us	Ask us

* These prices above does not include VAT.

3' End Modification	Scale		
	0.05 μ mol	0.2 μ mol	1.0 μ mol
3' Cy3*	—	¥30,000	¥60,000
3' Cy5*	—	¥30,000	¥60,000
3' FAM	¥20,000	¥20,000	¥30,000
3' FITC	¥20,000	¥20,000	¥30,000
3' ROX (TEXAS RED)	—	¥20,000	¥35,000
3' TAMRA (Rhodamine)	—	¥20,000	¥35,000
3' Biotin	¥20,000	¥20,000	¥30,000
3' Amino	—	¥15,000	¥30,000
3' Phosphorylation	¥10,000	¥10,000	¥18,000
3' ThiolS-S	—	¥45,000	¥50,000
3' DIG	—	Ask us	Ask us

* These prices above does not include VAT.

* About Cy3,Cy5 oligos:

The purchase of this Product includes a limited non-exclusive sublicense under U.S. Patent No. 5,268486 and any continuation, continuation-in-part, re-examination, divisional, reissue or foreign equivalent, to use the Compounds in the Product to perform research. NO OTHER LICENSE IS GRANTED EXPRESSLY, IMPLIEDLY OR BY ESTOPPEL. Use of the Product for commercial purposes is strictly prohibited without written permission from GE Healthcare Bio-Sciences Corp. For information concerning availability of additional licenses to practice the patented methodologies, please contact GE Healthcare Bio-Sciences Corp.

Custom Oligo DNA Synthesis

Product Line

Special Modification

We accept the synthesis of specially modified oligos. Some of our performance is listed below. Please ask us.

The List of Our performance			
Amino Modifier C6-dT	Amino Modifier C3	Amino Modifier C12	Amino C6(MMT)
PC Amino Modifier	Biotin-dT	Fluorescein-dT	Dabcyl
Dabcyl-dT	5' BHQ-1	BHQ-1-dT	5' BHQ-2
BHQ-2-dT	D-spacer	Spacer 9	Spacer 18
8-Br-dA	5-Br-dA	5-Br-dU	5-I-dC
5-I-dU	5-F-dU	2' 3' ddA	2' 3' ddG
2' 3' ddC	2' 3' ddT	7-deaza-dA	2' -Aminopurine
Etheno-dA	5-Nitoroindole	3-Nitoroindole	5' Psoralen(C2)
5' Psoralen(C6)	Puromycin	3' Cholesteryl-TEG	Cholesteryl-TEG
DNP-TEG	Glycerol-CPG	deoxypseudo-U	Dithiol
5-Me-dC	3' -5-Me-dC	06-Me-dG	N6-Me-dA
8-oxo-dA	8-oxo-dG	5-OH-dC	5-OH-dU
5-Hydroxymethyl-dU	Tymin-Dimer	Thiol S-S	etc

Delivery Product

1tube type

- Dried up or Diluted in D.W. or TE
- Datasheet with the sequence, M.W., T_m, the rate of GC, O.D., μ g, nmol
- HPLC Chart (Applicable product only)

96-well plate type

- Dried up or Diluted in D.W. or TE
- Cluster tube plate: 1.2ml
- Datasheet with the sequence, M.W., T_m, O.D., nmol, the amount of solution (Diluted only) / well position

Flow to order

Please send your requests to us.

I: Please email or send the order form downloaded from BEX web page by email. (<http://www.bexnet.co.jp>)
Emails with the information of the oligo sequence and any other data are acceptable. E-mail : info@bexnet.co.jp FAX : +81-3-5375-5636
II: Web forms are also acceptable.

FAQ

Q. Some white crystal is included in the oligo tube. Is this a problem?

A. Dried-up oligo DNA usually forms 3 types:

1. white crystal
2. clear pellet
3. clear film

Even the same sample will form different from what it was as it is dried up. In any cases, the quality is no problem.

Q. How is oligo diluted

A. If 100pmol/ μ L oligo is needed, dilute oligo with the amount (μ L) 10 times as much as the amount (μ L) value equivalent to "nmol" in the datasheet delivered together.

Q. How to keep oligos

A. Dried-up oligos are reserved in the refrigerator (4°C) or the freezer (-20°C) until use. Diluted oligos are cryopreserved. We strongly recommend that oligos are cryopreserved after dispensed because the repeat of melting and freezing dramatically lowers the quality.

Custom RNA Synthesis

siRNA, RNA Synthesis

Product Line

siRNA Synthesis

Scale•Purification	0.2 μ mol		1.0 μ mol	
	Cartridge	HPLC	Cartridge	HPLC
Fee (double strands set)	¥20,000	¥35,000	¥50,000	¥80,000
Chain Length (incl. overhang)	21~23mer			
Yield	20nmol	5nmol	50nmol	15nmol

* These prices above does not include VAT.

* Overhang is applied for dTdT or rUrU.

* The listed price applies for 21~23mer (incl. overhang).

* The listed yield applies for siRNA with no modification and the yield at the point of the delivery.

RNA Synthesis

Scale	0.2 μ mol	1.0 μ mol
Fee(/mer)	¥2,000	¥2,900
HPLC Purification	¥10,000	¥15,000

* These prices above does not include VAT.

* The fee of Less than 15-mer RNA is applied for one of 14-mer RNA.

* Our staff will contact you about the scale and yield in advance according to the difficulty of synthesis.

* The yield depends on the sequence.

Delivery Date

Our staff contacts you after the order.

Delivery Product

siRNA Synthesis

- Freeze-dried (Frozen)
- Datasheet Sequence / M.W. / Tm / GC% / μ g / nmol
- The photos of Electrophoresis
- TOF-MASS data
- HPLC Chart (HPLC order only)

RNA Synthesis

- Freeze-Dried (Frozen)
- Datasheet Sequence / M.W. / Tm / GC% / μ g / nmol
- HPLC Chart

How to Order

Please send your requests to us.

Please email or send the order form downloaded from BEX web page by email. (<http://www.bexnet.co.jp>)

Emails with the information of the sequence and any other data are acceptable. E-mail : info@bexnet.co.jp FAX : +81-3-5375-5636