

Contract no.:
Account no.:

Custom oligonucleotide synthesis. All prices are excluding V.A.T.

For ordering: www.mpsciences.com
Tel : 0845 463 0493 Fax: 0871 715 2142

Production facility in IJsselstein, The Netherlands.
Lagedijk Noord 18, 3401 VA IJsselstein

Custom Oligonucleotide Synthesis Pricelist

| Synthesis Scale (µmol) | Price per Base |
|------------------------|----------------|
| 0.01 | £0.20 |
| 0.05 | £0.30 |
| 0.2 | £0.60 |
| 1 | £2.50 |

| Plate Oligos (min. ordering 96 oligos) | |
|--|----------------|
| (µmol) | Price per Base |
| 0.01 | £0.15 |
| 0.05 | £0.20 |

- Other scales or bulk on request.
- 0.01 µmol scale is available for oligonucleotides up to a length of 50 bases.
- Standard purification by SPE for oligonucleotides up to a length of 50 bases. Purification by SPE is not possible for longer oligos; HPLC or gel electrophoresis purification are strongly advised.
- To ensure proper yield and quality, HPLC purification and gel electrophoresis are available for oligonucleotides with a minimum synthesis scale of 0.05 µmol.
- Prices for modifications are in addition to the price per base.

Modifications

5' Modifications

| | 0.05 µmol | 0.2 µmol | 1 µmol |
|------------------------------|-----------|-------------------|--------|
| Aminolink-C6 | £10 | £14 | £64 |
| Biotin ^a | £35 | £57 | £100 |
| 6FAM ^a | £28 | £43 | £85 |
| HEX ^a | £28 | £43 | £85 |
| Phosphorylation ^a | £43 | £71 | £171 |
| Others | | <i>On request</i> | |

3' Modifications

| | 0.05 µmol | 0.2 µmol | 1 µmol |
|------------------------------|-----------|-------------------|--------|
| Biotin ^a | £43 | £64 | £107 |
| Inosin | £9 | £13 | £17 |
| Phosphorylation ^a | £43 | £71 | £171 |
| Wobble (degenerate base) | £14 | £21 | £43 |
| Others | | <i>On request</i> | |

Internal Modifications

| | 0.05 µmol | 0.2 µmol | 1 µmol |
|--------------------------|-----------|-------------------|--------|
| Inosin | £9 | £13 | £17 |
| Wobble (degenerate base) | £0 | £0 | £0 |
| Others | | <i>On request</i> | |

Dual Labelled Oligonucleotides

| | 0.05 µmol | 0.2 µmol |
|---------------------------------|-----------|-------------------|
| 5'-6FAM + 3'-Tamra ^b | £107 | £157 |
| Others | | <i>On request</i> |

- Isogen Biosolutions has licenses from AP Biotech and PHRI for the use of certain compounds and technologies.

- a) Need to be ordered with RP-HPLC purification.
b) RP-HPLC purification included.

HPLC and Gel Electrophoresis Purification

| | 0.05 µmol | 0.2 µmol | 1 µmol |
|---|-----------|----------|--------|
| Reversed Phase (RP) ^a | £23 | £34 | £74 |
| Orthogonal (RP + Anion exchange) ^a | £93 | £120 | £207 |
| Gel Electrophoresis ^b | £64 | £100 | £200 |

- a) CE analysis is optional.
b) CE analysis included. Available only for oligonucleotides with a length of 50 bases and longer.

Additional Analysis

| | 0.05 µmol | 0.2 µmol | 1 µmol |
|-------------|-----------|----------|--------|
| CE analysis | £5 | £5 | £5 |

- For oligonucleotides with a length up to 100 nucleotides. Includes CE analysis report.

Additional Robotics Services

| | tube | 96-deepwell plate | 384-well plate |
|---------------------------|-------|-------------------|----------------|
| Delivery at OD, per oligo | £0.25 | £0.25 | £0.25 |

- Delivery time on request.

Shipping and Handling

Country Standard Shipping Price*
 UK £6

*Free shipping for orders above £ 150.00

• No handling or administration costs.

Yield Guarantees DNA Oligonucleotides

Unlabelled Oligonucleotides

| Synthesis scale | SPE ^a purified | RP-HPLC ^a purified | RP-HPLC ^b purified | Gel electrophoresis |
|-----------------|---------------------------|-------------------------------|-------------------------------|---------------------|
| 0.01 µmol | 1.5 OD | | | |
| 0.05 µmol | 3 OD | 3 OD | 1 OD | 0.5 OD |
| 0.2 µmol | 10 OD | 7 OD | 3 OD | 1 OD |
| 1 µmol | 30 OD | 15 OD | 10 OD | 3 OD |

Single Labelled Oligonucleotides^c

| Synthesis scale | Aminolink-C6, Inosin ^a |
|-----------------|--------------------------------------|
| 0.05 µmol | 3 OD |
| 0.2 µmol | 7 OD |
| 1 µmol | 15 OD |

Single Labelled Oligonucleotides^c, RP-HPLC Purified

| Synthesis scale | 6FAM, HEX, Phosphorylation ^a | Biotin ^a |
|-----------------|--|---------------------|
| 0.05 µmol | 3 OD | 3 OD |
| 0.2 µmol | 5 OD | 7 OD |
| 1 µmol | 8 OD | 15 OD |

Double Labelled Oligonucleotides^c, RP-HPLC Purified

| Synthesis scale | 5' + 3' label ^a |
|-----------------|----------------------------|
| 0.05 µmol | 1 OD |
| 0.2 µmol | 3 OD |

a) For oligonucleotides with a length of 15–35 nucleotides.

b) For oligonucleotides with a length of 36–80 nucleotides.

c) Other modifications and synthesis scales: yield guarantee on request.

Standard Delivery Times

Table 1

| Standard, SPE* | Shipment ^{a, b} | Shipment ^{a, c} |
|----------------|--------------------------|--------------------------|
| 0.01 µmol | 48 hr ^a | 72 hr |
| 0.05 µmol | 48 hr ^a | 72 hr |
| 0.2 µmol | 48 hr | 72 hr |
| 1 µmol | 72 hr | 72 hr |

*During working days. For oligonucleotides >49 bases delivery times in Table 3 apply.

Table 2

| Standard, RP-HPLC | Shipment ^{a, b, d} | Shipment ^{a, c, d} |
|-------------------|-----------------------------|-----------------------------|
| 0.05 µmol | 72 hr | 96 hr |
| 0.2 µmol | 72 hr | 96 hr |
| 1 µmol | 72 hr | 96 hr |

Table 3

| Single Modification, RP-HPLC; Standard-Plate, SPE | Shipment ^d |
|--|-----------------------|
| 0.05 µmol | 1 week |
| 0.2 µmol | 1 week |
| 1 µmol | 1 week |

Table 4

| Double Modification, RP-HPLC | Shipment ^d |
|---------------------------------|-----------------------|
| 0.05 µmol | 2 weeks |
| 0.2 µmol | 2 weeks |
| 1 µmol | 2 weeks |

| Single Modifications (3' OR 5') | Abbreviation | Delivery time |
|---------------------------------|--------------|---------------|
| Biotin | BIO | Table 3 |
| Digoxigenin | DIG | Table 3 |
| Phosphorylation | PHO | Table 3 |
| Aminolink-C6 | C6 | Table 3 |
| 5'-HEX/6FAM | 5'-HEX/FAM | Table 3 |
| Tamra | TAMRA | Table 3 |
| Inosine | INO | Table 3 |

| Double modifications | 3' AND 5' label | Table 4 |
|----------------------|-----------------|---------|
| | | |

a) Oligonucleotides (<36 bases, standard, SPE, 0.01 and 0.05 µmol) ordered before 11am (local time in UK) will be shipped the next day.

b) For oligonucleotides with a length up to 35 nucleotides.

c) For oligonucleotides with a length of 36–49 nucleotides.

d) For orders up to 10 oligonucleotides. For larger orders, delivery time on request.