



Codice Cliente: **20501760 e 20502280**

Spett.

DIP. BIOTECNOLOGIE MEDICHE E MEDICINA TRASLAZIONALE
e CNR IST. NEUROSCIENZE

VIA VANVITELLI, 32

20129 MILANO

RICERCATORI

Milano, 03/04/2013

**OGGETTO: Offerta per la fornitura di oligonucleotidi
numero QUOVANV0304**

In riferimento alla Vostra gentile richiesta, abbiamo il piacere di offrirvi il servizio di sintesi custom di oligonucleotidi a DNA, RNA e siRNA, secondo le condizioni commerciali esplicitate di seguito.

CONDIZIONI DI VENDITA

Consegna : ca 3 gg da ricevimento ordine per oligo fino a 50 basi desalt;
circa 5 gg per gli oligo con più di 50 basi purificati o modificati.
Ulteriori informazioni sono riportate nel listino speciale allegato.

Imballo: compreso e adatto al trasporto

Spese di trasporto: € 10,00

Minimo d'ordine: nessuno

Validità offerta: 31/03/2014

L'ordine, con l'indicazione delle sequenze di basi, va inoltrato direttamente a Sigma-Aldrich attraverso il sito internet o per e-mail.

E-mail: orders@sial.com

Website: <https://www.sigma-aldrich.com>

Le condizioni speciali a voi riservate saranno automaticamente visualizzate ed applicate negli ordini inseriti on-line sul nostro sito.

Per qualsiasi informazione potrete telefonare al numero 02/33417310.

Cordiali saluti,

SIGMA ALDRICH SRL



Custom DNA/RNA Synthesis Price List

(€ EUR)

DIP. BIOTECNOLOGIE MEDICHE E MEDICINA TRASLAZIONALE

offerta n° QUOVANV0304

DNA Oligonucleotides

| Synthesis Scale (µmole) | 0,025 | 0,05 | 0,2 | 1 |
|-------------------------------------|-------|--------|--------|--------|
| Per Base | 0,22 | 0,30 | 1,29 | 4,65 |
| S-Oligo Per Base | | | 4,65 | 9,30 |
| Purification | | | | |
| DESALT (DSLTL) | Free | Free | Free | Free |
| RPC | | 15,00 | 15,00 | 30,99 |
| HPLC | | 40,00 | 40,00 | 77,47 |
| PAGE | | 39,51 | 39,51 | 90,38 |
| Modifications | | | | |
| 5' / 3' Primary Amine | | 18,08 | 21,69 | 33,57 |
| 5' / 3' Terminal Thiol | | 46,48 | 46,48 | 67,14 |
| 5' Biotinylation | | 36,15 | 36,15 | 49,06 |
| 5' Fluorescein | | 33,57 | 33,57 | 74,89 |
| 5' Phosphorylation | | 23,24 | 26,86 | 41,32 |
| 5' Cy5 | | 56,81 | 56,81 | 108,46 |
| 5' Cy3 | | 56,81 | 56,81 | 108,46 |
| 3' Biotinylation | | 77,47 | 77,47 | 154,94 |
| 3' Fluorescein | | 108,46 | 108,46 | 144,61 |
| 3' Phosphorylation | | 64,56 | 64,56 | 129,11 |
| HEX | | 36,15 | 61,97 | 131,70 |
| 6-FAM | | 36,15 | 61,97 | 131,70 |
| TET | | 36,15 | 61,97 | 131,70 |
| Modified Bases | | | | |
| Inosine (Hypoxanthine) | | 6,71 | 9,30 | 15,49 |
| dU | | 6,71 | 9,30 | 15,49 |
| Post-Synthesis Modifications | | | | |
| Texas Red | | 103,29 | 103,29 | 206,58 |
| ROX | | 103,29 | 103,29 | 154,94 |
| TAMRA | | 103,29 | 103,29 | 154,94 |

Oligos ordered at the 0.025 scale must be ≥12 and ≤50 bases, unmodified, no redundancies or degenerate bases and desalted. For synthesis up to 110mer please use higher scales. Larger scale synthesis are available on request.

Guaranteed Minimum Yields (O.D./µg)

| Synthesis Scale (µmole) | 0,025 | 0,05 | 0,2 | 1 |
|-------------------------|-------|--------|--------|---------|
| Unmodified | | | | |
| DESALT | 3/90 | 5/150 | 12/360 | 40/1200 |
| RPC | - | 1/30 | 3/90 | 12/360 |
| HPLC | - | 1/30 | 2.5/75 | 13/390 |
| PAGE | - | 0.5/15 | 1/30 | 5/150 |
| Modified | | | | |
| DESALT | - | 2/60 | Free | Free |
| RPC | - | 0.4/12 | 1/30 | 5/150 |
| HPLC | - | 0.4/12 | 1/30 | 5/150 |
| PAGE | - | 0.2/6 | 0.4/12 | 2/60 |

E@sy Oligo (price per oligo - order on-line only)

| Quantity (O.D.) | 3 |
|-------------------------------|-------|
| 15-30 mer adjusted to 100µMol | 10,00 |

RNA Oligonucleotides

| Quantity (O.D.) | 0,05 | 0,2 | 1 |
|-----------------|------|------|-------|
| RNA Bases | 6,50 | 7,50 | 19,00 |
| 2'O-me Bases | 5,00 | 9,00 | 21,00 |

siRNA

| Quantity (O.D.) | 2 | 5 | 10 |
|------------------------------------|--------|--------|--------|
| Unlabelled Simplex | 45,00 | 90,00 | 127,50 |
| 5' or 3' standard labels | 90,00 | 110,00 | 130,00 |
| Cy3, Cy5, Cy5.5 labels (need HPLC) | 120,00 | 150,00 | 180,00 |
| Unlabelled Duplex | 90,00 | 180,00 | 255,00 |

Possible 5' or 3' labels (desalt purification): fluorescein, amineC6, biotin, phosphate, 6-FAM. Cy labels need extra HPLC purification. Additional mods available upon request.

| siRNA Purification (O.D.) | 2 | 5 | 10 |
|---------------------------|-------|-------|--------|
| HPLC | 60,00 | 80,00 | 110,00 |

Order Information

| | |
|------------------------|---|
| Telephone | +39 02 - 33417310 or 800-536373 |
| Fax | +39 02 - 38010737 |
| Email | orders@sial.com |
| Website | sigma-aldrich.com |
| Address | Sigma-Aldrich S.R.L. Via Gallarate, 154 20151 - Milano (MI) |
| Shipping charge | € 10,00 |

Estimated Dispatch Times (days)

| | DSLTL | RPC | HPLC | PAGE |
|-------------------------|--------|--------|--------|--------|
| 0.025 µmol / 30.D. | 24 hrs | | | |
| 0.05 µmol | 1 to 2 | 1 to 2 | 4 to 5 | 4 to 5 |
| 0.2 µmol | 1 to 2 | 1 to 2 | 4 to 5 | 4 to 5 |
| 1 µmol | 1 to 2 | 1 to 2 | 4 to 5 | 4 to 5 |
| Oligos > 50 bases | 3 to 4 | 3 to 4 | 4 to 5 | 4 to 5 |
| > than 1.0 µmol | 5 to 6 | 5 to 6 | 5 to 6 | 5 to 6 |
| Modified | 5 | 5 | 7 | 7 |
| RNA | 5 | - | 6 | 8 |
| siRNA unlabelled duplex | 6 | - | 7 | - |
| siRNA labelled duplex | 7 | - | 8 | - |



Custom DNA/RNA Synthesis Price List

(€ EUR)

DIP. BIOTECNOLOGIE MEDICHE E MEDICINA TRASLAZIONALE

offerta n° QUOVANV0304

Dual Labelled Probes

| Quantity (O.D.) | | 1 | 3 | 5 |
|---|-------|--------|--------|--------|
| 5': | 3': | | | |
| Fluorescein, FAM, HEX, TET, Cy3, Cy5, Cy5.5 | TAMRA | 130,00 | 220,00 | 290,00 |
| Fluorescein, FAM, HEX, TET | BHQ1 | 145,00 | 250,00 | 320,00 |
| Cy3, Cy5, Cy5.5 | BHQ2 | 145,00 | 250,00 | 320,00 |



LNA Dual Labelled Probes

| Quantity (O.D.) | | 1 | 3 | 5 |
|-----------------|------------|--------|--------|--------|
| 5': | 3': | | | |
| FAM, HEX, TET | TAMRA | 258,00 | 360,00 | 450,00 |
| FAM, HEX, TET | BHQ1, BHQ2 | 258,00 | 360,00 | 450,00 |

Molecular Beacons

| Quantity (O.D.) | | 1 | 3 | 5 |
|---|--------|--------|--------|--------|
| 5': | 3': | | | |
| Fluorescein, 6-FAM, HEX, TET, Cy3, Cy5, Cy5.5 | DABCYL | 160,00 | 280,00 | 360,00 |
| Fluorescein, 6-FAM, | BHQ-1 | 180,00 | 310,00 | 400,00 |
| Cy3, Cy5, Cy5.5 | BHQ-2 | 180,00 | 310,00 | 400,00 |

LNA Molecular Beacons

| Quantity (O.D.) | | 1 | 3 | 5 |
|-----------------|--------------------|--------|--------|--------|
| 5': | 3': | | | |
| FAM, HEX, TET | DABCYL, BHQ1, BHQ2 | 258,00 | 360,00 | 450,00 |

LightCycler Probes

| Quantity (O.D.) | 0,1 | 0,25 | 1,5 |
|--|--------|--------|--------|
| LightCycler Probe 1 3' Fluorescein | 45,00 | 80,00 | 95,00 |
| LightCycler Probe 2 5' Red 640 or 705, 3' Phosphate | 165,00 | 195,00 | 255,00 |
| LightCycler (Internal) Red 640 int | 175,00 | 245,00 | 300,00 |

LNA LightCycler Probes

| Quantity (O.D.) | 0,1 | 0,25 | 1,5 |
|---------------------------------------|--------|--------|--------|
| LightCycler Probe 1 3' Fluorescein | 120,00 | 150,00 | 320,00 |
| LightCycler Probe 2 5' Red 640 | 165,00 | 195,00 | 255,00 |

Scorpion Uni-Probes

| Quantity (O.D.) | | 1 | 5 | 10 |
|--|-------------------------|--------|--------|--------|
| 5': | 3': | | | |
| FAM, HEX, TET, Fluorescein, Cy-x | DABCYL-dT + HEG blocker | 220,00 | 449,00 | 850,00 |
| TAMRA, ROX, JOE, TexasRed, Rhod-x, OregonGreen-x | DABCYL-dT + HEG blocker | 280,00 | 449,00 | 860,00 |
| FAM, HEX, TET, Fluorescein, Cy-x | BHQ-x + HEG blocker | 230,00 | 430,00 | 840,00 |
| TAMRA, ROX, JOE, TexasRed, Rhod-x, OregonGreen-x | BHQ-x + HEG blocker | 280,00 | 440,00 | 870,00 |

Scorpion Bi-Probe

| Quantity (O.D.) | 1 | 5 | 10 |
|---|--------|--------|--------|
| Probe 1 3' Quencher: DABCYL, TAMRA | 90,00 | 150,00 | 280,00 |
| Probe 1 3' Quencher: BHQ-x/QSY-7 | 100,00 | 200,00 | 385,00 |
| Probe 2 - 5' Reporter: (FAM, HEX, TET, Fluorescein, CY-x) + HEG | 155,00 | 300,00 | 580,00 |
| Probe 2 - 5' Reporter: (TAMRA, ROX, JOE, TexasRed, Rhod-x, OregonGreen-x) + HEG | 190,00 | 400,00 | 780,00 |

For other dye combinations and quantities please contact customer services.

Free design and application support available at

www.designmyprobe.com

WellRED™ Oligos

| Quantity (O.D.) | 1 | 2 | 4 | 5 | 10 |
|-----------------|-------|-------|-------|--------|--------|
| RPC purified | - | 67,00 | 99,00 | - | - |
| PAGE purified | 99,00 | - | - | - | - |
| HPLC purified | - | - | - | 129,00 | 191,00 |

5' D2-PA, D3-PA, D4-PA WellRED-labelled oligos

Estimated Dispatch Times (days)

| Type | Time |
|--------------------------|------|
| Dual-labelled Probes | 5 |
| Molecular Beacons | 5 |
| LightCycler Probes | 7 |
| LNA Dual-labelled Probes | 7 |
| LNA Molecular Beacons | 7 |
| LNA LightCycler Probes | 6 |
| Scorpion Uni-probes | 10 |
| Scorpion Bi-probes | 10 |
| WellRED™ Oligos | 4-6 |