

Custom Oligonucleotides



Through the Genetic Resources CORE Facility from Sigma® Life Science

- Premium Quality for Over 20 Years – Every Oligo is Quality Checked by Mass Spectrometry or CE
- Consistent Delivery – Standard Oligos arrive within 48 hours
- Easy Ordering and Order Tracking Available Online
- Quality is Always Guaranteed

DNA Oligonucleotides

Synthesis Scale (μmole)	0.025	0.05	0.2	1
Per Base	\$0.15	\$0.22	\$0.53	\$0.95
S-Oligo (phosphorothioate) Per Base		\$1.93	\$2.11	\$3.50
Purification				
DESALT	Free	Free	Free	Free
RP1		\$5.00	\$5.00	\$8.00
HPLC		\$30.00	\$30.00	\$44.00
PAGE		\$30.00	\$30.00	\$44.00
Modifications				
5' Amine C6		\$10.00	\$10.00	\$20.00
5' Thiol C6 S-S		\$105.00	\$105.00	\$175.00
5' Biotinylation		\$25.74	\$25.74	\$52.65
5' Fluorescein		\$25.74	\$25.74	\$52.65
5' Phosphorylation		\$15.21	\$15.21	\$31.59
5' Cy3		\$105.30	\$105.30	\$149.76
5' Cy5		\$105.30	\$105.30	\$149.76
3' Biotinylation TEG		\$49.14	\$49.14	\$81.90
3' Fluorescein		\$60.84	\$60.84	\$102.96
3' Phosphorylation		\$35.10	\$35.10	\$51.48
5' HEX™		\$40.95	\$40.95	\$58.50
5' 6-FAM™		\$40.95	\$40.95	\$58.50
5' TET™		\$40.95	\$40.95	\$58.50
Modified Bases				
Inosine	\$8.19	\$8.19	\$8.19	\$15.21
dU	\$7.02	\$7.02	\$7.02	\$12.87
Post-Synthesis Modifications				
Texas Red®		\$173.16	\$173.16	\$298.35
ROX™		\$149.76	\$149.76	\$222.30
5' TAMRA™ NHS Ester		\$149.76	\$149.76	\$222.30

*0.025 μmole is for desalted oligos 10 – 50 bases in length. Additional purification and/or modifications are not available at this scale. Minimum 3 OD yield is based on a 20 mer. Oligos less than 20 bases will have proportionally fewer OD's.

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
RP1	-	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	5/150	16/480
RP1	-	0.4/12	1/30	5/150
HPLC	-	0.4/12	1/30	5/150
PAGE	-	0.2/6	0.4/12	2/60

RNA Oligonucleotides

Synthesis Scale (μmole)	0.025	0.05	0.2	1
RNA Bases		\$2.81	\$3.63	\$9.77
2'O-me Bases	\$4.04	\$4.86	\$5.67	\$11.41

WellRED Oligos

Quantity (O.D.)	1 (P)	2 (RP)	4 (RP)	5 (H)
WellRED D2,D3,D4-PA	\$88.91	\$54.25	\$74.60	\$119.05

Dual Labeled Probes

Quantity (O.D.)		1	3	5
5'	3'			
6-FAM™	TAMRA™ / BHQ-1™	\$87.75	\$141.57	\$237.51
HEX™, TET™				
Cy3®, Cy5®, Cy5.5, TAMRA	BHQ-2™	\$87.75	\$141.57	\$237.51
JOE™, ROX™, Texas Red®	TAMRA / BHQ-X™	\$297.63	\$448.33	\$674.37

LNA Dual Labeled Probes (up to 8 LNA bases)

Quantity (O.D.)		1	3	5
5'	3'			
FAM, HEX, TET	TAMRA	\$226.04	\$316.46	\$395.58
FAM, HEX, TET	BHQ1	\$226.04	\$316.46	\$395.58

Molecular Beacons

Quantity (O.D.)		1	3	5
5'	3'			
Fluorescein, FAM, HEX, TET	BHQ-1 /DABCYL	\$125.19	\$214.11	\$342.81
Cy3, Cy5, Cy5.5	BHQ-2 /DABCYL	\$125.19	\$214.11	\$342.81
JOE, ROX, Texas Red	BHQ-X /DABCYL	\$125.19	\$214.11	\$342.81

LNA Molecular Beacons (up to 8 LNA bases)

Quantity (O.D.)		1	3	5
5'	3'			
FAM, HEX, TET	DABCYL, BHQ1	\$125.19	\$214.11	\$342.81

LightCycler® Probes

Quantity (O.D.)	0.1	0.25	1.5
LightCycler Probe 1, 3' Fluorescein	\$33.91	\$60.28	\$71.59
Probe 2: 5'-end LightCycler Red 610/640/670/705 3'-end Phosphate	\$124.33	\$146.93	\$192.14
Alternate Probe 2: Internal LightCycler Red 610/640	\$131.86	\$184.61	\$226.04

LNA LightCycler Probes (up to 6 LNA bases)

Quantity (O.D.)	0.1	0.25	1.5
Probe 1: 3'-end LNA LightCycler Fluorescein	\$113.02	\$135.63	\$282.56
Probe 2: 5'-end LNA LightCycler Red 640 & 3'-end Phosphate	\$188.87	\$226.04	\$376.74

For more information, contact:

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Scorpion Uni-Probes

Quantity (O.D.)		1	5	10
5'	3'			
FAM, HEX, TET, Fluorescein	DABCYL-dT + HEG blocker	\$165.77	\$335.30	\$508.60
CY-x or TAMRA		\$271.25	\$391.81	\$655.53
ROX, JOE, Texas Red		\$444.55	\$670.60	\$941.85
FAM, HEX, TET, Fluorescein	BHQ-x + HEG blocker	\$165.77	\$335.30	\$508.60
CY-x or TAMRA		\$271.25	\$391.81	\$655.53
ROX, JOE, Texas Red		\$444.55	\$670.60	\$941.85

Scorpion Bi-Probe

Quantity (O.D.)	1	5	10
Probe 1: 3' Quencher: DABCYL	\$67.81	\$113.02	\$210.97
Probe 1: 3' Quencher: BHQ-x	\$75.35	\$150.70	\$290.09
Probe 2: 5'-end Reporter: 6-FAM, HEX, TET, Fluorescein + HEG	\$90.42	\$184.61	\$218.51
Probe 2: 5'-end Reporter: CY-x + HEG	\$195.90	\$241.11	\$365.44
Probe 2: 5'-end Reporter: TAMRA, ROX, JOE, Texas Red + HEG	\$369.21	\$380.51	\$595.25

Offer expires October 31, 2014.

Shipping cost: \$0.00 per ambient shipment

Visit <http://grcf.jhmi.edu> for ordering instructions.

Questions? Please contact:

The DNA Analysis Facility
JHU Genetic Resources CORE Facility
Blalock 1005
Phone: (410)955-2836
<http://grcf.jhmi.edu>

For other dye combinations and quantities please contact customer services.

Design assistance available for probes at designmyprobe.com



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