



Custom Oligonucleotides

Free Shipping – Lower Prices – Easy Ordering

DNA Oligonucleotides

Synthesis Scale (μmole)	0.025	0.05	0.2	1
Per Base	0.15	0.23	0.56	1.00
S-Oligo Per Base		2.31	2.52	4.20
Purification				
DESALT	Free	Free	Free	Free
RP1		6.25	6.25	10.00
HPLC		33.75	33.75	48.75
PAGE		33.75	33.75	48.75
Modifications				
5' Amine C6		9.20	9.20	19.55
5' Thiol C6 S-S		120.75	120.75	201.25
5' Biotinylation		25.30	25.30	51.75
5' Fluorescein		31.05	31.05	63.25
5' Phosphorylation		14.95	14.95	31.05
5' Cy3		103.50	103.50	149.50
5' Cy5		103.50	103.50	149.50
3' Biotinylation TEG		48.30	48.30	80.50
3' Fluorescein		60.95	60.95	101.20
3' Phosphorylation		34.50	34.50	50.60
5' HEX		40.25	40.25	57.50
5' 6-FAM		40.25	40.25	57.50
5' TET		40.25	40.25	57.50
Modified Bases				
Inosine	8.05	8.05	8.05	14.95
dU	8.05	8.05	8.05	14.95
Post-Synthesis Modifications				
Texas Red		172.50	172.50	299.00
ROX		149.50	149.50	224.25
5' TAMRA NHS Ester		149.50	172.50	247.25

*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

- 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
- Design assistance available for probes at www.designmyprobe.com

RNA Oligonucleotides

Synthesis Scale (μmole)	0.025	0.05	0.2	1
RNA Bases		2.82	3.62	9.66
2'O-me Bases	4.03	4.83	5.64	11.27

siRNA

Quantity (O.D.)	2	5	10
Unlabelled Simplex	68.43	110.29	132.83
Unlabelled Duplex	120.75	201.25	241.50

WellRED Oligos

Quantity (O.D.)	1 (P)	2 (RP)	4 (RP)	5 (H)
WellRED D2,D3,D4-PA	94.99	57.96	79.70	127.19

Estimated Shipping Schedule (days)

	DSLTL	RP1	HPLC	PAGE
0.025 μmol / 30.D.	24 hrs	-	-	-
0.05 μmol	1 to 2	1 to 2	3 to 4	3 to 4
0.2 μmol	1 to 2	1 to 2	3 to 4	3 to 4
1 μmol	1 to 2	1 to 2	3 to 4	3 to 4
Oligos > 50 bases	2 to 3	2 to 3	4 to 5	4 to 5
> than 1.0 μmol	5 to 7	-	7 to 10	-
Modified	3 to 5	3 to 5	5 to 7	5 to 7
RNA	5		6	8
siRNA unlabelled duplex	6		7	9

Pricing in US dollars. Expiration Date: 12/31/09
Shipping cost: \$0.00 per ambient shipment

Ordering: All ordering is done through the DNA Analysis Facility's website at <http://finch.daf.jhmi.edu/Finch/>

Visit the website for ordering instructions at <http://daf.jhmi.edu>
*First time users, call (410) 955-2836 to set up a login.

Questions? Please contact:

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



Dual Labeled Probes

Quantity (O.D.)		1	3	5
5'	3'			
6-FAM	TAMRA /	87.40	140.88	237.48
HEX, TET	BHQ-1	87.40	140.88	237.48
Cy3, Cy5, Cy5.5, TAMRA	BHQ-2	181.13	261.63	382.38
JOE, ROX, Texas Red	TAMRA /	317.98	478.98	720.48
	BHQ-X			

LNA Dual Labeled Probes (up to 8 LNA bases)

Quantity (O.D.)		1	3	5
5'	3'			
FAM, HEX, TET	TAMRA	241.50	338.10	422.63
FAM, HEX, TET	BHQ1	241.50	338.10	422.63

Molecular Beacons

Quantity (O.D.)		1	3	5
5'	3'			
Fluorescein, FAM, HEX, TET	BHQ-1 /DABCYL	124.78	213.33	342.13
Cy3, Cy5, Cy5.5	BHQ-2 /DABCYL	253.58	366.28	535.33
JOE, ROX, Texas Red	BHQ-X /DABCYL	414.58	623.88	937.83

LNA Molecular Beacons (up to 8 LNA bases)

Quantity (O.D.)		1	3	5
5'	3'			
FAM, HEX, TET	DABCYL, BHQ1	241.50	338.10	422.63

LightCycler Probes

Quantity (O.D.)	0.1	0.25	1.5
LightCycler Probe 1, 3' Fluorescein	36.23	64.40	76.48
Probe 2: 5'-end LightCycler Red 610/640/670/705 3'-end Phosphate	132.83	156.98	205.28
Alternate Probe 2: Internal LightCycler Red 610/640	140.88	197.23	241.50

LNA LightCycler Probes (up to 6 LNA bases)

Quantity (O.D.)	0.1	0.25	1.5
Probe 1:3'-end LNA LightCycler Fluorescein	120.75	144.90	301.88
Probe 2: 5'-end LNA LightCycler Red 640 & 3'-end Phosphate	201.25	241.50	402.50

Scorpion Uni-Probes

Quantity (O.D.)		1	5	10
5'	3'			
FAM, HEX, TET, Fluorescein	DABCYL-dT + HEG blocker	177.10	358.23	543.38
CY-x or TAMRA		289.80	418.60	700.35
ROX, JOE, Texas Red		474.95	716.45	1006.25
FAM, HEX, TET, Fluorescein	BHQ-x + HEG blocker	177.10	358.23	543.38
CY-x or TAMRA		289.80	418.60	700.35
ROX, JOE, Texas Red		474.95	716.45	1006.25

Scorpion Bi-Probe

Quantity (O.D.)	1	5	10
Probe 1: 3' Quencher: DABCYL	72.45	120.75	225.40
Probe 1: 3' Quencher: BHQ-x	80.50	161.00	309.93
Probe 2: 5'-end Reporter: 6-FAM, HEX, TET, Fluorescein + HEG	96.60	197.23	233.45
Probe 2: 5'-end Reporter: CY-x + HEG	209.30	257.60	390.43
Probe 2: 5'-end Reporter: TAMRA, ROX, JOE, Texas Red + HEG	394.45	406.53	635.95

Estimated Shipping Schedule (days)

Type	
Dual-labelled Probes	3-5
Molecular Beacons	5
LightCycler Probes	7
LNA Dual-labelled Probes	7
LNA Molecular Beacons	7
LNA LightCycler Probes	7
Scorpion Uni-probes	10
Scorpion Bi-probes	10

For other dye combinations and quantities please contact customer services.

Free design and application support available at www.designmyprobe.com

You can also contact your Sigma-Aldrich Representatives for support:

Jill Allen Caouette Account Manager Phone: (410) 200-5397 jill.caouette@sial.com	Jeremy Minarcik Research Biotech Specialist Phone: (609) 203-8987 jeremy.minarcik@sial.com
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