

# The Midland Certified Reagent Company, Inc.

<i>Synthesis Scales Up to</i>	<i>20 nmole</i>	<i>50 nmole</i>	<i>200 nmole</i>	<i>1 μmole</i>	<i>10 μmole</i>	<i>Large Scale</i>
<b>DNA:</b>						
Synthesis	25/base	36/base	90/base	185/base	2089/base	Call
96-Well Plate Orders	20/base	30/base	65/base	120/base	N/A	Call
Phosphorothioate	Call	Call	315/base	420/base	3125/base	Call
Set-Up	None	None	None	None	16400	Call
<b>RNA:</b>						
Synthesis	N/A	N/A	950/base	1565/base	Call	Call
2' O-Methyl	N/A	N/A	950/base	1565/base	Call	Call
Set-Up	N/A	N/A	1230	2050	Call	Call
RNAse-free HPLC	N/A	N/A	6970	14350	Call	Call
<b>Purifications:</b>						
RP-HPLC	N/A	3198	4797	9594	15990	Call
AE-HPLC	N/A	6396	9594	18655	26650	Call
PAGE	N/A	3198	13325	45305	N/A	Call
Cartridge	N/A	2665	3731	N/A	N/A	Call
<b>Modifications - 3' or 5' End (2)(3):</b>						
Biotin	4264	4797	5330	9594	47970	Call
Phosphate	1918.8	2665	3731	6396	21320	Call
5'-Amino C6	2132	2665	3198	6396	26650	Call
3'Amino C7	N/A	2665	3198	6396	26650	Call
Digoxigenin	N/A	18655	19188	24518	79950	Call
Thiol Modifier C6 S-S	N/A	15990	19188	23985	50635	Call
5'-Thiol C6	N/A	6396	7995	10660	31980	Call
<b>Internal Modifications (2)(3):</b>						
dI	N/A	N/A	1492.4	1865.5	5330	Call
dU	N/A	N/A	1492.4	1865.5	5330	Call
Abasic	N/A	N/A	9840	13120	34440	Call
2-Aminopurine	N/A	N/A	13120	16400	36900	Call
8-Oxo-dg	N/A	N/A	16400	20500	36900	Call
<b>Modification</b>	<b>20 nmole</b>	<b>50 nmole</b>	<b>200 nmole</b>	<b>1 mmole</b>	<b>10 mmole</b>	<b>Large Scale</b>
Abasic Site	N/A	N/A	9840	13120	34440	Call
Acridine	N/A	N/A	16400	20500	44280	Call
Adeninedeoxyriboside	N/A	53.277	81.18	179.58	1640	Call
Adeninedeoxyriboside, 8-Bromo-	N/A	N/A	11070	13940	31980	Call
Adeninedeoxyriboside, 2'-deoxy-	N/A	N/A	call	call	call	Call
Adeninedeoxyriboside, 7-Deaza-	N/A	N/A	17220	21320	47970	Call
Adeninedeoxyriboside, Etheno-	N/A	N/A	10168	12710	28700	Call
Adeninedeoxyriboside, N6-methyl-	N/A	N/A	16400	20500	44280	Call
Adeninedeoxyriboside, 8-Oxo-	N/A	N/A	13120	16400	36900	Call
Adenine-3'-deoxyriboside	N/A	N/A	17220	21320	47970	Call
Adenine-2'-O-methylriboside	N/A	N/A	738	1230	call	Call
Adenineribose	N/A	N/A	738	1230	N/A	Call
Adenine-3'-ribose	N/A	N/A	N/A	4510	N/A	Call
Adenosine	N/A	N/A	738	1230	N/A	Call
Amino-C2-dT	N/A	N/A	17220	21320	47970	Call
Amino-C6-dC	N/A	N/A	22140	27880	62730	Call
Amino-C6-dT	N/A	N/A	17220	21320	47970	Call
12-Aminododecanol	N/A	8127	9020	11480	25830	Call
5'-Amino-dT	N/A	13545	14760	18450	41820	Call
6-Aminoheanol	N/A	2257.5	2460	4920	20500	Call
5'-Amino Modifier C6	N/A	2257.5	2460	4920	20500	Call
3'-Amino Modifier C7	N/A	2257.5	2460	4920	20500	Call
5'-Amino Modifier C12	N/A	8127	9020	11480	25830	Call
2-Aminopurine	N/A	N/A	13120	16400	36900	Call
2-Aminopurinedeoxyriboside	N/A	N/A	13120	16400	36900	Call
2-Aminopurine-riboside	N/A	N/A	N/A	29930	N/A	Call
2-Amino-rA	N/A	N/A	N/A	29930	N/A	Call
Ara C	N/A	N/A	13120	16400	36900	Call
Arabinosyl Cytosine	N/A	N/A	13120	16400	36900	Call
Asymmetric Doubler	N/A	N/A	17220	21320	47970	Call
Adeninedeoxyriboside, 2-Amino	N/A	N/A	6970	9020	20500	Call
2-Amino-dA	N/A	N/A	6970	9020	20500	Call
PC-Amino Modifier	N/A	N/A	13120	16400	36900	Call
3'-Biotin	N/A	3690	4100	7380	36900	Call
5'-Biotin	N/A	3690	4100	7380	36900	Call
Biotin dT	N/A	N/A	17220	21320	47970	Call
Biotin dX	N/A	3690	4100	7380	36900	Call
8-Bromo-dA	N/A	N/A	11070	13940	31980	Call
5-Bromo-dC	N/A	N/A	5740	7380	16400	Call
8-Bromo-dG	N/A	N/A	10168	12710	28700	Call
5-Bromo-dU	N/A	N/A	4100	5330	12300	Call
5-Bromo-rU	N/A	N/A	N/A	13202	N/A	Call

PC Biotin	N/A	N/A	23780	29930	67240	Call
CarboxydT	N/A	N/A	17220	21320	47970	Call
*Carboxyrhodamine	N/A	call	call	call	call	Call
Cholesterol	N/A	N/A	16400	20500	44280	Call
Convertible dA	N/A	N/A	13120	16400	36900	Call
Convertible dC	N/A	N/A	20500	25830	58220	Call
Convertible dT	N/A	N/A	10168	12710	28700	Call
Convertible dU	N/A	N/A	13120	16400	36900	Call
Cordycepin	N/A	N/A	17220	21320	47970	Call
*Coumarin	N/A	call	call	call	call	Call
Cy3	N/A	13530	16400	20500	41000	Call
Cy3.5	N/A	20500	23780	29930	67240	Call
Cy5	N/A	13530	16400	20500	41000	Call
Cy5.5	N/A	20500	23780	29930	67240	Call
Cytidine	N/A	N/A	738	1230	N/A	Call
Cytosine Arabinoside	N/A	N/A	13120	16400	36900	Call
Cytosinedeoxyriboside	N/A	48.38	81.18	179.58	1640	Call
Cytosine-3'-deoxyriboside	N/A	N/A	17220	21320	47970	Call
Cytosinedeoxyriboside, 5-(6-aminoethyl)	N/A	N/A	22140	27880	62730	Call
Cytosinedeoxyriboside, 5-Bromo-	N/A	N/A	5740	7380	16400	Call
Cytosinedeoxyriboside, 2'-deoxy-	N/A	N/A	call	call	call	Call
Cytosinedeoxyriboside, N4-Ethyl-	N/A	N/A	12300	15580	35260	Call
Cytosinedeoxyriboside, 5-Fluoro-	N/A	N/A	20500	25830	58220	Call
Cytosinedeoxyriboside, 5-Hydroxyl	N/A	N/A	27060	34030	76670	Call
Cytosinedeoxyriboside, 5-Iodo-	N/A	N/A	13120	16400	36900	Call
Cytosinedeoxyriboside, 5-methyl-	N/A	N/A	7380	9430	21320	Call
Cytosinedeoxyriboside, 5-methyl-	N/A	N/A	7380	9430	21320	Call
Cytosine-2'-Fluoro-riboside	N/A	N/A	N/A	22960	N/A	Call
Cytosine-2'-O-methylriboside	N/A	N/A	738	1230	call	Call
Cytosine-2'-O-methylriboside, 3deaza-5aza	N/A	N/A	19680	24600	55350	Call
Cytosine-2'-O-methylriboside, 5-Methyl	N/A	N/A	16810	21320	47970	Call
Cytosineriboside	N/A	N/A	738	1230	N/A	Call
Cytosineriboside, 5-Methyl-	N/A	N/A	N/A	13530	N/A	Call
3'-dA	N/A	N/A	17220	21320	47970	Call
3'-dC	N/A	N/A	17220	21320	47970	Call
3'-dG	N/A	N/A	17220	21320	47970	Call
3'-dT	N/A	N/A	17220	21320	47970	Call
2',3'-ddA	N/A	N/A	call	call	call	Call
2',3'-ddC	N/A	N/A	call	call	call	Call
2',3'-ddG	N/A	N/A	call	call	call	Call
2',3'-ddT	N/A	N/A	call	call	call	Call
3'-DabcyI	N/A	2870	3690	6560	32800	Call
5'-DabcyI	N/A	N/A	12300	15580	35260	Call
DabcyI-dT	N/A	N/A	17220	21320	47970	Call
7-Deaza-dA	N/A	N/A	17220	21320	47970	Call
7-Deaza-dG	N/A	N/A	17220	21320	47970	Call
7-deaza-dX	N/A	N/A	17220	21320	47970	Call
2'-Deoxynebularine	N/A	N/A	10168	12710	28700	Call
dl	N/A	N/A	1148	1435	4100	Call
2,6-Diaminopurine-deoxyriboside	N/A	N/A	6970	9020	20500	Call
2,6-Diaminopurine-riboside	N/A	N/A	N/A	29930	N/A	Call
2,6-Diaminopurine-2'-OMe-riboside	N/A	N/A	19680	24600	55350	Call
1,2-Dideoxyribose	N/A	N/A	9840	13120	34440	Call
2',3'-dideoxy A	N/A	N/A	call	call	call	Call
2',3'-dideoxy C	N/A	N/A	call	call	call	Call
2',3'-dideoxy G	N/A	N/A	call	call	call	Call
2',3'-dideoxy T	N/A	N/A	call	call	call	Call
2,4-Difluorotoluene	N/A	N/A	23780	29930	67240	Call
*Digoxigenin	N/A	14350	14760	17220	61500	Call
5,6-Dihydro-dT	N/A	N/A	25010	29930	call	Call
5,6-Dihydro-dU	N/A	N/A	25010	29930	call	Call
Dinitrophenol	N/A	N/A	16400	20500	44280	Call
dK	N/A	N/A	18860	23780	53710	Call
dK	N/A	N/A	18860	23780	53710	Call
DNP	N/A	N/A	16400	20500	44280	Call
dP	N/A	N/A	18860	23780	53710	Call
dR	N/A	N/A	10168	12710	28700	Call
dU	N/A	N/A	1148	1435	4100	Call
K deoxyriboside, Purine analog	N/A	N/A	18860	23780	53710	Call
EDTA-C2-dT	N/A	N/A	23780	29930	67240	Call
*Eosin	N/A	call	call	call	call	Call
Etheno-dA	N/A	N/A	10168	12710	28700	Call
N4-Ethyl-dC	N/A	N/A	12300	15580	35260	Call
6-FAM	N/A	5340	5740	10660	36900	Call
6-FAM (3')	N/A	5340	5740	10660	36900	Call
FITC	N/A	5340	5740	10660	36900	Call

Fluorescein	N/A	5340	5740	10660	36900	Call
Fluorescein-dT	N/A	N/A	17220	21320	47970	Call
5-Fluoro-dC	N/A	N/A	20500	25830	58220	Call
5-Fluoro-dU	N/A	N/A	13120	16400	36900	Call
2'-Fluoro-rC	N/A	N/A	N/A	22960	N/A	Call
2'-Fluoro-rU	N/A	N/A	N/A	22960	N/A	Call
3'-Glycerol	N/A	3115	3690	6560	32800	Call
Guaninedeoxyriboside	N/A	52.51	81.18	179.58	1640	Call
Guanine-3'-deoxyriboside	N/A	N/A	17220	21320	47970	Call
Guaninedeoxyriboside, 8-Bromo-	N/A	N/A	10168	12710	28700	Call
Guaninedeoxyriboside, 2'-deoxy	N/A	N/A	call	call	call	Call
Guaninedeoxyriboside, 7-Deaza-	N/A	N/A	17220	21320	47970	Call
Guaninedeoxyriboside, iso	N/A	N/A	22140	27880	62730	Call
Guaninedeoxyriboside, O6-methyl-	N/A	N/A	10168	12710	28700	Call
Guaninedeoxyriboside, 8-Oxo-	N/A	N/A	16400	20500	41000	Call
Guaninedeoxyriboside, 6-Thio-	N/A	N/A	17220	21320	47970	Call
Guanine-2'-O-methylriboside	N/A	N/A	738	1230	call	Call
Guanineriboside	N/A	N/A	738	1230	N/A	Call
Guanosine	N/A	N/A	738	1230	N/A	Call
HEX	N/A	8455	9840	18860	41000	Call
Hexachlorofluorescein	N/A	8455	9840	18860	41000	Call
5-Hydroxyl-dC	N/A	N/A	27060	34030	76670	Call
5-Hydroxyl-dU	N/A	N/A	22140	27880	62730	Call
5-Hydroxymethyl-dU	N/A	N/A	22140	27880	62730	Call
Hypoxanthinedeoxyriboside	N/A	N/A	1148	1435	4100	Call
Hypoxanthinedeoxyriboside	N/A	N/A	1148	1435	4100	Call
Indoledeoxyriboside, 5-nitro-	N/A	N/A	12300	15580	35260	Call
Inosinedeoxyriboside	N/A	N/A	1148	1435	4100	Call
Inosinedeoxyriboside, O6-phenyl-	N/A	N/A	13120	16400	36900	Call
Inosine-2'-O-Methyl-riboside	N/A	N/A	16810	21320	47970	Call
Inosineriboside	N/A	N/A	N/A	13858	N/A	Call
5'-Iodo-dT	N/A	N/A	7380	9430	21320	Call
5-Iodo-rU	N/A	N/A	N/A	13366	N/A	Call
iso-dG	N/A	N/A	22140	27880	62730	Call
*JOE	N/A	call	call	call	call	Call
5-Iodo-dC	N/A	N/A	13120	16400	36900	Call
5-Iodo-dU	N/A	N/A	5740	7380	16400	Call
Linkage, 3'-3'	N/A	N/A	call	call	call	Call
Linkage, 5'-5'	N/A	cal	call	call	call	Call
Linkage, Methylphosphonate	N/A	N/A	12300	15580	call	Call
Linkage, Phosphorothioate	N/A	N/A	246	328	2460	Call
5-Methyl-dC	N/A	N/A	7380	9430	21320	Call
5-Methyl-isoC	N/A	N/A	12300	15580	35260	Call
5-Methyl-rC	N/A	N/A	N/A	13448	N/A	Call
5-Methyl-rU	N/A	N/A	N/A	13694	N/A	Call
Methylphosphonate	N/A	N/A	12300	15580	call	Call
O6-Methyl-dG	N/A	N/A	10168	12710	28700	Call
O4-Methyl-dT	N/A	N/A	13120	16400	36900	Call
2'-O-Methyl-2-Amino-rA	N/A	N/A	19680	24600	55350	Call
2'-O-Methyl-2-Aminopurine-riboside	N/A	N/A	19680	24600	55350	Call
2'-O-Methyl-2,6-Diaminopurine-riboside	N/A	N/A	19680	24600	55350	Call
2'-O-Methyl-3-Deaza-5-Aza-rC	N/A	N/A	19680	24600	55350	Call
2'-O-Methyl-rA	N/A	N/A	738	1230	call	Call
2'-O-Methyl-rC	N/A	N/A	738	1230	call	Call
2'-O-Methyl-5-Br-rU	N/A	N/A	18040	22550	50840	Call
2'-O-Methyl-5-F-rU	N/A	N/A	19680	24600	55350	Call
2'-O-Methyl-5-Methyl-rC	N/A	N/A	16810	21320	47970	Call
2'-O-Methyl-5-Methyl-rU	N/A	N/A	16810	21320	47970	Call
2'-O-Methyl-rG	N/A	N/A	738	1230	call	Call
2'-O-Methyl-ri	N/A	N/A	16810	21320	47970	Call
2'-O-Methyl-rU	N/A	N/A	738	1230	call	Call
2'-O-Methyl-T	N/A	N/A	16810	21320	47970	Call
N6-Methyl dA	N/A	N/A	16400	20500	44280	Call
Nebularine	N/A	N/A	10168	12710	28700	Call
5-Nitroindole	N/A	N/A	12300	15580	35260	Call
3-Nitropyrrole	N/A	N/A	12300	15580	35260	Call
5-OH-dC	N/A	N/A	27060	34030	76670	Call
5-OH-dU	N/A	N/A	22140	27880	62730	Call
5'-O-Methyl-dT	N/A	N/A	13120	16400	36900	Call
8-Oxo-dA	N/A	N/A	13120	16400	36900	Call
8-Oxo-dG	N/A	N/A	16400	20500	41000	Call
O6-Phenyl-dI	N/A	N/A	13120	16400	36900	Call
P-deoxyriboside, Pyrimidine	N/A	N/A	18860	23780	53710	Call
P=S	N/A	N/A	246	328	2460	Call
Phosphate 3'	N/A	2300	2870	4920	20500	Call
Phosphate 5'	N/A	2300	2870	4920	20500	Call

Phosphorothioate linkage	N/A	N/A	246	328	2460	Call
Phosphorylation	N/A	2225	2870	4920	20500	Call
3'-Phosphotyrosine	N/A	N/A	41000	65600	call	Call
5'-Phosphotyrosine	N/A	N/A	57400	77900	call	Call
Pseudo-dU	N/A	N/A	11480	14350	32390	Call
Psoralen C2	N/A	N/A	18860	23780	53710	Call
Psoralen C6	N/A	N/A	18860	23780	53710	Call
Purinedeoxyriboside	N/A	N/A	10168	12710	28700	Call
Purinedeoxyriboside, 2-Amino-	N/A	N/A	13120	16400	36900	Call
Purinedeoxyriboside, 2,6-diamino-	N/A	N/A	6970	9020	20500	Call
Pyrrroledeoxyriboside, 3-nitro-	N/A	N/A	12300	15580	35260	Call
rA	N/A	N/A	738	1230	N/A	Call
3'-rA	N/A	N/A	N/A	4510	N/A	Call
rC	N/A	N/A	738	1230	N/A	Call
rG	N/A	N/A	738	1230	N/A	Call
*Rhodamine (from isothiocyanate)	N/A	8100	11070	17220	55350	Call
rl	N/A	N/A	N/A	13530	N/A	Call
*ROX	N/A	8200	12300	19270	61500	Call
rU	N/A	N/A	N/A	1230	N/A	Call
d Spacer	N/A	N/A	9840	13120	34440	Call
PC Spacer	N/A	N/A	13120	16400	36900	Call
Spacer C3	N/A	N/A	7380	9430	21320	Call
Spacer C12	N/A	N/A	12300	15580	35260	Call
Spacer 9	N/A	N/A	7380	9430	21320	Call
Spacer 18	N/A	N/A	9430	11890	27060	Call
Symmetric Doubler	N/A	N/A	14760	18450	41820	Call
3'-TAMRA	N/A	8100	11070	17220	55350	Call
*5'-TAMRA	N/A	9000	12300	19270	61500	Call
Tamra-dT	N/A	N/A	23780	29930	67240	Call
TET	N/A	8550	9840	18860	41000	Call
Tetrachlorofluorescein	N/A	8550	9840	18860	41000	Call
*Texas Red	N/A	call	call	call	call	Call
6-Thio-dG	N/A	N/A	17220	21320	47970	Call
2-Thio-dT	N/A	N/A	16400	20500	44280	Call
4-Thio-dT	N/A	N/A	16400	20500	44280	Call
4-Thio-dU	N/A	N/A	16400	20500	44280	Call
4-thio-rU	N/A	N/A	N/A	29930	N/A	Call
6-Thiohexanol	N/A	5400	6150	8200	20500	Call
3'-Thiol Modifier C3	N/A	3150	3690	6560	32800	Call
5'-Thiol Modifier C6	N/A	5400	6150	8200	20500	Call
Thiol Modifier Disulfide	N/A	13500	14760	18450	41000	Call
Thymine-3'-deoxyriboside	N/A	N/A	17220	21320	47970	Call
Thymine-deoxyriboside, 5'-Amino	N/A	13500	14760	18450	41820	Call
Thymine-deoxyriboside, 5-(6-aminoethyl)	N/A	N/A	17220	21320	47970	Call
Thymine-deoxyriboside, 5-Biotin-	N/A	N/A	17220	21320	47970	Call
Thymine-deoxyriboside, 5,6-Dihydro-	N/A	N/A	25010	29930	call	Call
Thymine-deoxyriboside, 2'-deoxy	N/A	N/A	call	call	call	Call
Thymine-deoxyriboside, 5-Fluorescein-	N/A	N/A	17220	21320	47970	Call
Thymine-deoxyriboside, 5'-Iodo-	N/A	N/A	7380	9430	21320	Call
Thymine-deoxyriboside, 5-Fluorescein-	N/A	N/A	17220	21320	47970	Call
Thymine-deoxyriboside, 5'-O-Methyl-	N/A	N/A	13120	16400	36900	Call
Thymine-deoxyriboside, O4-Methyl-	N/A	N/A	13120	16400	36900	Call
Thymine-deoxyriboside, 5-Tamra-	N/A	N/A	23780	29930	67240	Call
Thymine-deoxyriboside, 2-Thio-	N/A	N/A	16400	20500	44280	Call
Thymine-deoxyriboside, 2-Thio-	N/A	N/A	16400	20500	44280	Call
Thymine-deoxyriboside, 4-Thio-	N/A	N/A	16400	20500	44280	Call
Thymine-deoxyriboside, O4-triazolyl-	N/A	N/A	10168	12710	28700	Call
Treble	N/A	N/A	17220	21320	47970	Call
Uracildeoxyriboside	N/A	N/A	1148	1435	4100	Call
Uracildeoxyriboside, 5-(3-acrylic)-	N/A	N/A	17220	21320	47970	Call
Uracildeoxyriboside, 5-(6-aminoethyl)-	N/A	N/A	17220	21320	47970	Call
Uracildeoxyriboside, 5-Bromo-	N/A	N/A	4100	5330	12300	Call
Uracildeoxyriboside, 5,6-Dihydro-	N/A	N/A	25010	29930	call	Call
Uracildeoxyriboside, 5-Bromo-	N/A	N/A	4100	5330	12300	Call
Uracildeoxyriboside, 5-Fluoro-	N/A	N/A	13120	16400	36900	Call
Uracildeoxyriboside, 5-Hydroxyl-	N/A	N/A	22140	27880	62730	Call
Uracildeoxyriboside, 5-Hydroxymethyl-	N/A	N/A	22140	27880	62730	Call
Uracildeoxyriboside, 5-Iodo-	N/A	N/A	5740	7380	16400	Call
Uracildeoxyriboside, 5-Iodo-	N/A	N/A	5740	7380	16400	Call
Uracildeoxyriboside, 4-Thio-	N/A	N/A	16400	20500	44280	Call
Uracilriboside	N/A	N/A	738	1230	N/A	Call
Uracilriboside, 5-Bromo	N/A	N/A	N/A	13120	N/A	Call
Uracilriboside, 5-Iodo-	N/A	N/A	N/A	13120	N/A	Call
Uracilriboside, 5-Methyl-	N/A	N/A	N/A	13120	N/A	Call
Uracilriboside, 4-Thio	N/A	N/A	N/A	29930	N/A	Call
Uridine	N/A	N/A	738	1230	N/A	Call

Uridine-2'-Fluoro-riboside	N/A	N/A	18450	22960	51660	Call
Uridine-2'-O-methylriboside	N/A	N/A	738	1230	call	Call
Uridine-2'-O-methylriboside, 5-Bromo-	N/A	N/A	18040	22550	50840	Call
Uridine-2'-O-methylriboside, 5-Fluoro-	N/A	N/A	19680	24600	55350	Call
Uridine-2'-O-methylriboside, 5-Methyl-	N/A	N/A	16810	21320	47970	Call
<b>Purification Prices</b>						
	<b>20 nmole</b>	<b>50 nmole</b>	<b>200 µmole</b>	<b>1µmole</b>	<b>10 µmole</b>	<b>Large Scale</b>
Gel Filtration(GF)	0	0	0	0	0	Call
RP-HPLC	2460	2460	3690	7380	12300	Call
AE-HPLC	4920	4920	7380	14350	20500	Call
PAGE	2460*	2460*	10250	34850	N/A	Call
Cartridge	2050	2050	2870	N/A	N/A	Call
<b>Universal and Degenerate bases</b>						
<b>Modification</b>	<b>20 nmole</b>	<b>50 nmole</b>	<b>200 nmole</b>	<b>1 mmole</b>	<b>10 mmole</b>	<b>Large Scale</b>
A=Adenine						
C=Cytosine						
G=Guanine						
T=Tyhmine						
U=Uracil						
B=C, G, T	No Charge	No Charge	No Charge	No Charge	Call	Call
D=A, G, T	No Charge	No Charge	No Charge	No Charge	Call	Call
H=A, C, T	No Charge	No Charge	No Charge	No Charge	Call	Call
K=G, T	No Charge	No Charge	No Charge	No Charge	Call	Call
M=A, C	No Charge	No Charge	No Charge	No Charge	Call	Call
N=A, C, G, T	No Charge	No Charge	No Charge	No Charge	Call	Call
R=A, G	No Charge	No Charge	No Charge	No Charge	Call	Call
S=G, C	No Charge	No Charge	No Charge	No Charge	Call	Call
V=A, C, G	No Charge	No Charge	No Charge	No Charge	Call	Call
W=A, T	No Charge	No Charge	No Charge	No Charge	Call	Call
Y=C, T	No Charge	No Charge	No Charge	No Charge	Call	Call
<b>Wobbles</b>						
<b>Modification</b>	<b>20 nmole</b>	<b>50 nmole</b>	<b>200 nmole</b>	<b>1 mmole</b>	<b>10 mmole</b>	<b>Large Scale</b>
A=Adenine						
C=Cytosine						
G=Guanine						
T=Tyhmine						
U=Uracil						
B=C, G, T	No Charge	No Charge	No Charge	No Charge	Call	Call
D=A, G, T	No Charge	No Charge	No Charge	No Charge	Call	Call
H=A, C, T	No Charge	No Charge	No Charge	No Charge	Call	Call
K=G, T	No Charge	No Charge	No Charge	No Charge	Call	Call
M=A, C	No Charge	No Charge	No Charge	No Charge	Call	Call
N=A, C, G, T	No Charge	No Charge	No Charge	No Charge	Call	Call
R=A, G	No Charge	No Charge	No Charge	No Charge	Call	Call
S=G, C	No Charge	No Charge	No Charge	No Charge	Call	Call
V=A, C, G	No Charge	No Charge	No Charge	No Charge	Call	Call
W=A, T	No Charge	No Charge	No Charge	No Charge	Call	Call
Y=C, T	No Charge	No Charge	No Charge	No Charge	Call	Call
<b>LNA</b>						
	<b>20 nmole</b>	<b>50 nmole</b>	<b>200 nmole</b>	<b>1 mmole</b>	<b>10 mmole</b>	<b>Large Scale</b>
LNA pricing has a licensing issue and If needed you						Call
<b>Modification</b>	<b>20 nmole</b>	<b>50 nmole</b>	<b>200 nmole</b>	<b>1 mmole</b>	<b>10 mmole</b>	<b>Large Scale</b>
Please Call, most of the same modifications on DNA	N/A	Call	Call	Call	Call	Call
<b>MOLECULAR BEACON PROBE PRICES</b>						
With 5' 6-FAM, HEX, or TET with 3' Dabcyl:						
0.2 micromole scale synthesis: (approximately 10-20			215/base of DNA			
With 5' 6-FAM, HEX, or TET with 3' Dabcyl:						
1.0 micromole scale synthesis: (approximately 50-				271/base of DNA +		
With 5' Coumarin or Eosin with 3' Dabcyl						
1.0 micromole scale synthesis: (approximately 50-				271/base of DNA +		
0.2 micromole scale synthesis: (approximately 10-20			215/base of DNA			
With 5' Texas Red or Tetramethylrhodamine with 3' Black Hole Quencher 2**						
1.0 micromole scale synthesis: (approximately 50-				271/base of DNA +		
0.2 micromole scale synthesis: (approximately 10-20			215/base of DNA			
<b>FLUOROPHORE/QUENCHER COMBINATIONS (*)</b>						
Recommended		Maximum (nm)				
Quencher	Fluorophore	Excitation	Emission			
Dabcyl	Coumarin	434	475			
Dabcyl	6-Fam	494	521			
Dabcyl	TET	519	537			
Dabcyl	Eosin	524	544			

Dabcyl	HEX	535	556			
Black-Hole 2	Tetramethylrhodami	558	580			
Black-Hole 2	Texas Red	592	615			
<b>DNA Polymers</b>						
<b>Description</b>	<b>Catalog #</b>	<b>5 Units</b>	<b>25 Units</b>	<b>100 Units</b>	<b>1000 Units</b>	<b>Large Scale</b>
<b>HOMOPOLYMERS</b>						
Poly dA (Polydeoxyadenylate), sodium salt	P-2001	9840	43050	155800	Call	Call
Poly dC (Polydeoxycytidylate), sodium salt	P-2002	9020	40180	150880	Call	Call
Poly dI (Polydeoxyinosinate), sodium salt	P-2003	12300	57400	213200	Call	Call
Poly dT (Polydeoxythymidylate), sodium salt	P-2004	8200	34850	131200	Call	Call
Poly dU (Polydeoxyuridylate), sodium salt	P-2005	12300	57400	216890	Call	Call
<b>DUPLEX POLYMERS</b>						
<b>Description</b>	<b>Catalog #</b>	<b>5 Units</b>	<b>25 Units</b>	<b>100 Units</b>	<b>1000 Units</b>	<b>Large Scale</b>
Poly d(A-T) . Poly d(A-T) Polydeoxy(adenylate-	P-2100	3690	16400	55760	Call	Call
Poly dA . Poly dT Polydeoxyadenylate .	P-2300	2296	9430	34030	Call	Call
Poly d(I-C) . Poly d(I-C) Polydeoxy(inosinate-	P-2400	6970	32800	123000	Call	Call
Poly dI . Poly dC Polydeoxyinosinate .	P-2410	4100	12710	41000	Call	Call
<b>RNA POLYMERS</b>						
<b>Description</b>	<b>Catalog #</b>	<b>25 mg</b>	<b>100 mg</b>	<b>500 mg</b>	<b>1000 mg</b>	<b>Large Scale</b>
<b>HOMORIBOPOLYMERS</b>						
Poly rA (Polyadenylic acid), potassium salt	P-3001	2870	6970	22140	42640	Call
Poly rC (Polycytidylic acid), potassium salt	P-3002	5330	16400	76260	147600	Call
Poly rI (Polyinosinic acid), potassium salt	P-3003	3690	11480	51660	98400	Call
Poly rU (Polyuridylic acid), potassium salt	P-3004	6560	21320	94300	180400	Call
<b>DUPLEX RIBOPOLYMERS</b>						
Poly rA . Poly rU (Polyadenylic-Uridylic acid),	P-3100	7380	18040	82000	147600	Call
Poly rI . Poly rC (Polyinosinic-cytidylic acid), sodium	P-3101	4920	18860	90200	168100	Call
Poly rA. 2 Poly rU Triple-Stranded Polymer, sodium	P-3102	50 A260 U = 2050		250 A260 U = 9430		
<b>TEMPLATE/PRIMERS</b>						
Template/primers are packaged and sold on the basis of A260 Units.						
<b>TEMPLATE PRIMERS</b>						
<b>CATALOG NO.</b>	<b>ITEM</b>	<b>SIZE</b>	<b>PRICE</b>			
P-4005A	Poly rA · Poly dT	5 Units	4100			
P-4005B	Poly rA · Poly dT	25 Units	15580			
P-4010A	Poly rA · p(dT)10	5 Units	4100			
P-4010B	Poly rA · p(dT)10	25 Units	15580			
P-4012A	Poly rA · p(dT)12-18	5 Units	4100			
P-4012B	Poly rA · p(dT)12-18	25 Units	15580			
P-4110A	Poly dA · p(dT)10	5 Units	4100			
P-4110B	Poly dA · p(dT)10	25 Units	15580			
P-4112A	Poly dA · p(dT)12-18	5 Units	4100			
P-4112B	Poly dA · p(dT)12-18	25 Units	15580			
P-4210A	Poly rC · p(dG)12-18	5 Units	4100			
P-4210B	Poly rC · p(dG)12-18	25 Units	15580			
P-4212A	Poly dC · p(dG)12-	5 Units	4100			
P-4212B	Poly dC · p(dG)12-	25 Units	15580			
<b>Yields</b>						
Approximate yields before purification are as follows for scale of synthesis: 50 nanomole=1 ODU per 4 bases, 200 nanomole= length of oligo in ODUs, 1 micromole = 5 times length of oligo in ODUs, 5 micromole = 25 times length of oligo in ODUs, 10 micromole = 50 times length of oligo in ODUs, larger scales would be quoted.						