





GeneCust

Custom Services for Research

Price list Custom Oligo Synthesis

GeneCust 2019-2020

All prices in € exclude taxes and transport



Index

DNA	
DNA oligonucleotides - single tube	
Standard Small Scale Synthesis	
5' Modification - price in €	
3' Modification - price in €	
Internal Modification - price in €	
DNA Oligos - plates	
per nucleotide - Price/nt in €	
5' Modification - Price/modification in €	
3' Modification - Price/modification in €	
Microtiter plate pricing - Price per plate in €	
Mid/ Large Scale DNA oligonucleotides	
Price/oligo in €	
nGS Oligos	
Price/oligo (€)	
Phosphorothioates (PTO) - Price/base (€)	
5' Modification - price in €	
3' Modification - price in €	
Internal Modification - price in €	
Phosphorothioate (PTOs), 2'OMeRNA & Chimera	
per nucleotide	
5' Modification - Price/base (€)	
3' Modification - Price/base (€)	
Internal Modification - Price/base (€)	
Phosphorothioates (PTO) - Price/base (€)	
Dual Labelled Fluorogenic Probes (DLPs)	
Level - pricing in €	
5' Reporter / 3' Quencher Combination	
5' Quencher / 3' Reporter Combination	
Internal Modification	
ZNA Primers	
per nucleotide - Price/base in €	
5' Modification - Price in €	
3' Modification - Price in €	
Internal Modification - Price in €	
ZNA Probes	
Level - pricing in €	
5' Reporter / 3' Quencher Combination	
Internal Modification	
Light Cycler™(LC™) HybProbes	
Level – pricing in €	
5'-3' label combinations	
Internal-3' label combinations	
5'-Internal label combinations	
Duplex DNA (dsDNA)	
Duplex - price/duplex in €	

5' Modification - price per modification in €	
3' Modification - price per modification in €	
Internal Modification - price per modification in €	
RNA	
RNA oligonucleotides - single tube	
Standard Small Scale Synthesis- Desalted - price/nt in €	
Standard Small Scale Synthesis- HPLC - price/nt in €	
Standard Small Scale Synthesis- price/oligo in €	
5' Modification - price per modification in €	
3' Modification - price per modification in €	
Internal Modification - price per modification in €	
RNA Oligos - plates	
Price/nt in €	
5' Modification - Price per modification in €	
3' Modification - Price per modification in €	
Microtiter plate pricing - Price per plate in €	
RNA Longmers	
Price/oligo in €	
5' Modification - price per modification in €	
3' Modification - price per modification in €	
Internal Modification - price per modification in €	
Mid/ Large Scale RNA oligonucleotides	
Price/oligo in €*	
siRNA/ RNAi/ duplex RNA	
Duplex RNA/ siRNA - price/duplex in €	
Dual Labelled Fluorogenic RNA Probes/ RNA qPCR probes	
Level - pricing in €	
5' Reporter / 3' Quencher Combination	
5' Quencher / 3' Reporter Combination	
Internal Modification	
Additional Service	
Quality Check	
Shipping and Handling	
Countries (€)	
Additional	
Trademarks	

DNA

DNA oligonucleotides - single tube

Standard Small Scale Synthesis

Scale	Desalted		HPLC		OPC	
	Price (€)	Yield (OD260)	Price (€)	Yield (OD260)	Price (€)	Yield (OD260)
0,02 µmol	0,20	3	1,00	1	0,94	1
0,04 µmol	0,24	5	1,06	2,5	1,00	3
0,2 µmol	0,79	16	1,47	8	1,26	15
1,0 µmol	2,10	80	2,88	35	2,26	-

Expected minimum yields are based on a 20mer. Actual yields may vary depending on oligo length and sequence composition.

Analytical Services/printout

- MALDI (per analysis): 41,00 €
- ESI-ToF (per analysis): 41,00 €
- Analytical HPLC (per analysis): 41,00 €
- Mass Check + Analytical HPLC (per analysis): 84,00 €

Important Information:

- Prices are valid for unmodified and single modified oligos only.
- Price of modification is added to the oligo price.
- This price system applies to oligos between 5 and 80 bases long. The price per base doubles for oligos longer than 80 bases. For oligos shorter than 5 bases, please inquire.
- We synthesize oligos of a maximum length of 220 bases.
- **17,00 €** setup fee for 3' wobbles. No extra charge for internal wobbles.
- 0.02 µmol scale only available for oligos up to 33 bases.
- OPC purification only available for oligos up to 40 bases.

For 3' and internal modifications:

- Available for Oligos in single tube format
- Prices are valid for oligonucleotides of up to 40 bases of length. Depending on the modification, prices might be valid also for longer oligonucleotides.
- 3' wobbles at 17,00 €.
- HPLC price/nt applies for oligos with non-fluorescent modifications, if ordered with HPLC

5' Modification - price in €

5' Modification	Desalted				HPLC			
	0,02 µmol	0,04 µmol	0,2 µmol	1,0 µmol	0,02 µmol	0,04 µmol	0,2 µmol	1,0 µmol
	3 OD260	5 OD260	12 OD260	50 OD260	1 OD260	2 OD260	5 OD260	15 OD260
2-Deoxyuridine	8,38	11,73	15,08	18,43	15,08	18,43	21,78	25,13
5-Fluoro-dU	43,55	60,30	82,08	119,76	43,55	60,30	82,08	119,76
5-Hydroxymethyl-C	185,09	195,98	293,96	609,70	185,09	195,98	293,96	609,70
5-Me-dC	18,43	20,10	25,13	50,25	21,78	25,13	31,83	62,81
6-Fam	29,40	31,57	48,99	92,54	32,66	35,93	59,88	108,88
8-oxo-dG	92,96	103,85	152,43	315,74	92,96	103,85	152,43	315,74
Acrydite	16,75	21,78	27,64	38,53	16,75	21,78	27,64	38,53
AldC	43,55	54,44	82,08	108,88	43,55	54,44	82,08	108,88
AldU	43,55	54,44	82,08	108,88	43,55	54,44	82,08	108,88
Alxyl	43,55	54,44	82,08	108,88	43,55	54,44	82,08	108,88
Atto 390	37,69	50,25	75,38	125,63	37,69	50,25	75,38	125,63
Atto 425	70,35	82,91	108,04	139,86	70,35	82,91	108,04	139,86
Atto 488	94,64	107,20	201,00	226,13	94,64	107,20	201,00	226,13
Atto 495	37,69	50,25	75,38	125,63	37,69	50,25	75,38	125,63
Atto 520	37,69	50,25	75,38	125,63	37,69	50,25	75,38	125,63
Atto 532	94,64	107,20	201,00	226,13	94,64	107,20	201,00	226,13
Atto 550	102,18	121,44	159,13	190,95	102,18	121,44	159,13	190,95
Atto 565	37,69	50,25	75,38	125,63	37,69	50,25	75,38	125,63
Atto 633	82,08	94,64	175,88	201,00	82,08	94,64	175,88	201,00
Atto 655	119,76	125,63	238,69	263,81	119,76	125,63	238,69	263,81
Atto MB2	37,69	50,25	75,38	125,63	37,69	50,25	75,38	125,63
Atto Rho13	94,64	107,20	201,00	226,13	94,64	107,20	201,00	226,13
Atto Rho14	94,64	107,20	201,00	226,13	94,64	107,20	201,00	226,13
Atto Rho6G	69,51	87,94	138,19	175,88	69,51	87,94	138,19	175,88
ATTO647N	140,70	165,83	216,08	279,73	140,70	165,83	216,08	279,73
BHQ-1	65,33	82,08	119,76	180,06	65,33	82,08	119,76	180,06
BHQ-2	65,33	82,08	119,76	180,06	65,33	82,08	119,76	180,06
Biotin	32,66	40,20	51,93	130,65	36,01	43,55	59,88	147,20
Biotin TEG	92,96	103,85	114,74	158,29	92,96	103,85	114,74	158,29
Bromo-dA	27,64	32,66	49,41	97,99	27,64	32,66	49,41	97,99
Bromo-dC	25,13	33,50	41,88	83,75	25,13	33,50	41,88	83,75
Bromo-dG	41,88	50,25	75,38	150,75	41,88	50,25	75,38	150,75
Bromo-dU	16,75	21,78	27,64	54,44	16,75	21,78	27,64	54,44
C12 Amino	25,04	34,84	43,55	87,10	28,31	38,11	54,44	103,85
C3 spacer	50,25	63,65	95,48	127,30	50,25	63,65	95,48	127,30
C3-Azid	16,75	21,78	27,64	54,44	16,75	21,78	27,64	54,44

5' Modification	Desalted				HPLC			
	0,02 µmol	0,04 µmol	0,2 µmol	1,0 µmol	0,02 µmol	0,04 µmol	0,2 µmol	1,0 µmol
	3 OD260	5 OD260	12 OD260	50 OD260	1 OD260	2 OD260	5 OD260	15 OD260
C6 Amino	10,89	13,62	16,33	21,78	16,33	21,78	27,22	32,66
C9 spacer	50,25	63,65	95,48	127,30	50,25	63,65	95,48	127,30
Carboxy C10	33,50	50,25	67,00	83,75	33,50	50,25	67,00	83,75
Cholesteryl TEG	152,43	195,98	261,30	435,50	152,43	195,98	261,30	435,50
Cy3	48,99	54,44	92,54	195,98	48,99	54,44	92,54	195,98
Cy3B	288,94	314,06	615,56	703,50	288,94	314,06	615,56	703,50
Cy5	48,99	54,44	92,54	195,98	48,99	54,44	92,54	195,98
Cy5.5	65,33	76,21	97,99	195,98	65,33	76,21	97,99	195,98
DBCO	16,75	21,78	27,64	38,53	16,75	21,78	27,64	38,53
DBCO-TEG	60,30	71,19	108,04	223,61	60,30	71,19	108,04	223,61
Digoxigenin	82,08	88,78	107,20	177,55	87,10	95,48	120,60	197,65
DY480XL	50,25	62,81	94,64	125,63	50,25	62,81	94,64	125,63
FITC	32,66	35,93	59,88	108,88	32,66	35,93	59,88	108,88
Fluorescein	29,40	31,57	48,99	92,54	32,66	35,93	59,88	108,88
HEG-spacer	16,33	18,43	21,78	43,55	18,43	21,78	26,80	53,60
Hex	38,11	43,55	76,21	163,31	38,11	43,55	76,21	163,31
Inosine	8,38	11,73	15,08	18,43	15,08	18,43	21,78	25,13
IRD700	63,65	70,35	125,63	241,20	63,65	70,35	125,63	241,20
IRD800	63,65	70,35	125,63	241,20	63,65	70,35	125,63	241,20
Joe	63,15	70,77	108,88	190,53	63,15	70,77	108,88	190,53
PC-Amino-Modifier	32,66	43,55	65,33	108,88	32,66	43,55	65,33	108,88
Phosphate	16,33	23,95	32,66	38,11	19,60	27,22	38,11	43,55
Rox	63,15	70,77	108,88	190,53	63,15	70,77	108,88	190,53
Tamra	38,11	43,55	76,21	163,31	38,11	43,55	76,21	163,31
Tet	29,40	31,57	48,99	92,54	32,66	35,93	59,88	108,88
TexasRed	98,83	137,35	168,76	343,38	98,83	137,35	168,76	343,38
Thiol-C6	53,35	59,88	70,77	119,76	57,79	65,33	82,08	142,38
Yakima Yellow	82,91	95,48	120,60	211,05	89,61	102,18	127,30	222,78

* Based on a 20mer; for oligos > 33 bases in length, yield guarantee does not apply.

3' Modification - price in €

3' Modification	Desalted				HPLC			
	0,02 µmol	0,04 µmol	0,2 µmol	1,0 µmol	0,02 µmol	0,04 µmol	0,2 µmol	1,0 µmol
	3 OD260	5 OD260	12 OD260	50 OD260	1 OD260	2 OD260	5 OD260	15 OD260
2-Deoxyuridine	8,38	11,73	15,08	18,43	15,08	18,43	21,78	25,13
5-Me-dC	16,33	18,43	21,78	43,55	18,43	21,78	26,80	53,60
6-Fam	-	-	-	-	36,85	41,88	68,68	209,38
AldC	43,55	54,44	82,08	108,88	43,55	54,44	82,08	108,88
AldU	43,55	54,44	82,08	108,88	43,55	54,44	82,08	108,88
Alrol	43,55	54,44	82,08	108,88	43,55	54,44	82,08	108,88
Atto 390	-	-	-	-	37,69	50,25	75,38	125,63
Atto 425	-	-	-	-	70,02	82,75	108,21	190,95
Atto 488	-	-	-	-	94,64	107,20	201,00	226,13
Atto 495	-	-	-	-	37,69	50,25	75,38	125,63
Atto 520	-	-	-	-	37,69	50,25	75,38	125,63
Atto 532	-	-	-	-	94,64	107,20	201,00	226,13
Atto 550	-	-	-	-	101,84	120,94	159,13	190,95
Atto 565	-	-	-	-	37,69	50,25	75,38	125,63
Atto 633	-	-	-	-	82,08	94,64	175,88	201,00
Atto 655	-	-	-	-	119,76	125,63	238,69	263,81
Atto MB2	-	-	-	-	37,69	50,25	75,38	125,63
Atto Rho13	-	-	-	-	94,64	107,20	201,00	226,13
Atto Rho14	-	-	-	-	94,64	107,20	201,00	226,13
Atto Rho6G	-	-	-	-	69,51	87,94	138,19	175,88
ATTO647N	-	-	-	-	139,86	164,99	216,08	279,73
BHQ-1	33,50	67,00	100,50	201,00	33,50	67,00	100,50	201,00
BHQ-2	33,50	67,00	100,50	201,00	33,50	67,00	100,50	201,00
BHQ-3	41,88	83,75	125,63	251,25	58,63	83,75	125,63	251,25
Biotin	32,66	40,20	51,93	130,65	35,93	43,55	59,88	146,98
Biotin TEG	92,96	103,85	114,74	158,29	92,96	103,85	114,74	158,29
C3 spacer	50,25	63,65	95,48	127,30	50,25	63,65	95,48	127,30
C3-Azid	16,75	21,78	27,64	38,53	16,75	21,78	27,64	38,53
C7 Amino	13,07	16,33	32,66	97,99	16,33	21,78	43,55	114,32
C9 spacer	50,25	63,65	95,48	127,30	50,25	63,65	95,48	127,30
Cholesteryl TEG	152,43	195,98	261,30	435,50	152,43	195,98	261,30	435,50
Cy3	-	-	-	-	56,95	68,68	108,88	222,78
Cy3B	-	-	-	-	288,94	314,06	615,56	703,50
Cy5	-	-	-	-	56,95	68,68	108,88	222,78
Cy5.5	-	-	-	-	76,21	88,78	114,74	227,80
Dabcyl	33,50	67,00	100,50	201,00	33,50	67,00	100,50	201,00

Custom Oligonucleotide PL

3' Modification	Desalted				HPLC			
	0,02 µmol	0,04 µmol	0,2 µmol	1,0 µmol	0,02 µmol	0,04 µmol	0,2 µmol	1,0 µmol
	3 OD260	5 OD260	12 OD260	50 OD260	1 OD260	2 OD260	5 OD260	15 OD260
DBCO	16,75	21,78	27,64	38,53	16,75	21,78	27,64	38,53
ddC	30,49	52,26	74,04	217,75	32,66	54,44	76,21	223,19
Digoxigenin	82,08	88,78	107,20	177,55	87,10	95,48	120,60	197,65
FITC	-	-	-	-	36,85	41,88	68,68	209,38
Fluorescein	-	-	-	-	36,85	41,88	56,95	190,95
HEG-spacer	16,33	18,43	21,78	43,55	18,43	21,78	26,80	53,60
Hex	-	-	-	-	63,65	75,38	95,48	190,95
Inosine	8,38	11,73	15,08	18,43	15,08	18,43	21,78	25,13
inverted dT	74,04	95,81	114,32	168,76	76,21	97,99	119,76	174,20
Joe	-	-	-	-	73,70	82,08	127,30	222,78
Phosphate	16,75	23,45	30,15	38,53	20,10	26,80	33,50	43,55
Rox	-	-	-	-	73,70	82,08	127,30	222,78
Tamra	-	-	-	-	63,65	75,38	95,48	190,95
Tet	-	-	-	-	36,85	41,88	68,68	209,38
TexasRed	-	-	-	-	113,90	159,13	197,95	402,00
Thiol-C3	32,66	43,55	54,44	103,43	38,11	48,99	65,33	119,76
Thiol-C6	32,66	43,55	54,44	103,43	38,11	48,99	65,33	119,76
Yakima Yellow	-	-	-	-	63,65	88,78	108,88	222,78

* Based on a 20mer; for oligos > 33 bases in length, yield guarantee does not apply.

Internal Modification - price in €

Modification Intern	Desalted				HPLC			
	0,02 µmol	0,04 µmol	0,2 µmol	1,0 µmol	0,02 µmol	0,04 µmol	0,2 µmol	1,0 µmol
	3 OD260	5 OD260	12 OD260	50 OD260	1 OD260	2 OD260	5 OD260	15 OD260
2-Aminopurine	54,44	70,77	87,10	130,65	54,44	70,77	87,10	130,65
2-Deoxyuridine	8,38	11,73	15,08	18,43	15,08	18,43	21,78	25,13
5-Fluoro-dU	43,55	60,30	82,08	119,76	43,55	60,30	82,08	119,76
5-Hydroxymethyl-C	185,09	195,98	293,96	609,70	185,09	195,98	293,96	609,70
5-Me-dC	18,43	20,10	25,13	50,25	20,10	21,78	26,80	53,60
6-Fam-dC	-	-	-	-	68,68	80,40	108,88	201,00
6-Fam-dT	-	-	-	-	68,68	80,40	108,88	201,00
8-oxo-dG	92,96	103,85	152,43	315,74	92,96	103,85	152,43	315,74
Acrydite-dT	16,75	21,78	27,64	38,53	16,75	21,78	27,64	38,53
AldC	43,55	54,44	82,08	108,88	43,55	54,44	82,08	108,88
AldU	43,55	54,44	82,08	108,88	43,55	54,44	82,08	108,88
Atto 390-dC	-	-	-	-	37,69	50,25	75,38	125,63
Atto 390-dT	-	-	-	-	37,69	50,25	75,38	125,63
Atto 425-dC	-	-	-	-	68,68	80,40	108,88	201,00
Atto 425-dT	-	-	-	-	68,68	80,40	108,88	201,00
Atto 488-dC	-	-	-	-	94,64	107,20	201,00	226,13
Atto 488-dT	-	-	-	-	94,64	107,20	201,00	226,13
Atto 495-dT	-	-	-	-	37,69	50,25	75,38	125,63
Atto 520-dC	-	-	-	-	37,69	50,25	75,38	125,63
Atto 520-dT	-	-	-	-	37,69	50,25	75,38	125,63
Atto 532-dC	-	-	-	-	94,64	107,20	201,00	226,13
Atto 532-dT	-	-	-	-	94,64	107,20	201,00	226,13
Atto 550-dC	-	-	-	-	92,13	113,90	167,50	293,13
Atto 550-dT	-	-	-	-	92,13	113,90	167,50	293,13
Atto 565-dC	-	-	-	-	37,69	50,25	75,38	125,63
Atto 565-dT	-	-	-	-	37,69	50,25	75,38	125,63
Atto 633-dT	82,08	94,64	175,88	201,00	108,88	125,63	234,50	268,00
Atto 633-dU	82,08	94,64	175,88	201,00	108,88	125,63	234,50	268,00
Atto 655-dC	-	-	-	-	119,76	125,63	238,69	263,81
Atto 655-dT	-	-	-	-	119,76	125,63	238,69	263,81
Atto MB2-dC	-	-	-	-	37,69	50,25	75,38	125,63
Atto MB2-dT	-	-	-	-	37,69	50,25	75,38	125,63
Atto Rho13-dT	-	-	-	-	94,64	107,20	201,00	226,13
Atto Rho14-dT	-	-	-	-	94,64	107,20	201,00	226,13
Atto Rho6G-dC	-	-	-	-	69,51	87,94	138,19	175,88
Atto Rho6G-dT	-	-	-	-	69,51	87,94	138,19	175,88

Custom Oligonucleotide PL

Modification Intern	Desalted				HPLC			
	0,02 µmol	0,04 µmol	0,2 µmol	1,0 µmol	0,02 µmol	0,04 µmol	0,2 µmol	1,0 µmol
	3 OD260	5 OD260	12 OD260	50 OD260	1 OD260	2 OD260	5 OD260	15 OD260
Biotin-dC	159,13	175,88	242,88	603,00	103,85	113,90	159,13	391,95
Biotin-dT	159,13	175,88	242,88	603,00	103,85	113,90	159,13	391,95
Bromo-dA	27,64	32,66	49,41	97,99	27,64	32,66	49,41	97,99
Bromo-dC	25,13	33,50	41,88	83,75	25,13	33,50	41,88	83,75
Bromo-dG	41,88	50,25	75,38	150,75	41,88	50,25	75,38	150,75
Bromo-dU	16,75	21,78	27,64	54,44	16,75	21,78	27,64	54,44
C12 spacer	75,38	97,15	162,48	239,53	87,10	108,88	174,20	239,53
C2-Amino-dT	-	-	-	-	117,25	134,00	201,00	485,75
C3 spacer	50,25	63,65	95,48	127,30	50,25	63,65	95,48	127,30
C3-Azid-dT	16,75	21,78	27,64	38,53	16,75	21,78	27,64	38,53
C6 spacer	50,25	63,65	95,48	127,30	50,25	63,65	95,48	127,30
C6-Amino-dT	-	-	-	-	77,05	87,10	130,65	316,58
Cy3B-dT	-	-	-	-	288,94	314,06	615,56	703,50
Cy3-dC	-	-	-	-	92,13	113,90	167,50	293,13
Cy3-dT	-	-	-	-	92,13	113,90	167,50	293,13
Cy5.5-dC	-	-	-	-	134,00	184,25	276,38	435,50
Cy5.5-dT	-	-	-	-	134,00	184,25	276,38	435,50
Cy5-dC	-	-	-	-	92,13	113,90	167,50	293,13
Cy5-dT	-	-	-	-	92,13	113,90	167,50	293,13
DBCO-dT	16,75	21,78	27,64	38,53	16,75	21,78	27,64	38,53
dspacer	43,55	54,44	82,08	108,88	43,55	54,44	82,08	108,88
FITC-dT	-	-	-	-	68,68	80,40	108,88	201,00
Fluorescein-dC	-	-	-	-	68,68	80,40	108,88	201,00
Fluorescein-dT	-	-	-	-	68,68	80,40	108,88	201,00
HEG-spacer	16,33	18,43	21,78	43,55	19,06	21,78	27,22	54,44
Hex-dC	-	-	-	-	92,13	113,90	167,50	293,13
Hex-dT	-	-	-	-	92,13	113,90	167,50	293,13
Inosine	8,38	11,73	15,08	18,43	15,08	18,43	21,78	25,13
Joe-dC	-	-	-	-	92,13	113,90	167,50	293,13
Joe-dT	-	-	-	-	92,13	113,90	167,50	293,13
PC-Spacer	32,66	43,55	65,33	108,88	32,66	43,55	65,33	108,88
pdC	43,55	54,44	81,91	108,88	48,58	65,33	92,13	162,48
pdU	43,55	54,44	81,91	108,88	48,58	65,33	92,13	162,48
Rox-dC	-	-	-	-	92,13	113,90	167,50	293,13
Rox-dT	-	-	-	-	92,13	113,90	167,50	293,13
Tamra-dC	-	-	-	-	92,13	113,90	167,50	293,13
Tamra-dT	-	-	-	-	92,13	113,90	167,50	293,13
Tet-dC	-	-	-	-	68,68	80,40	108,88	201,00

Custom Oligonucleotide PL

Modification Intern	Desalted				HPLC			
	0,02 μ mol	0,04 μ mol	0,2 μ mol	1,0 μ mol	0,02 μ mol	0,04 μ mol	0,2 μ mol	1,0 μ mol
	3 OD260	5 OD260	12 OD260	50 OD260	1 OD260	2 OD260	5 OD260	15 OD260
Tet-dT	-	-	-	-	68,68	80,40	108,88	201,00
TexasRed-dT	-	-	-	-	134,00	184,25	276,38	435,50
Thiol-C6	53,35	59,88	70,77	119,76	57,70	65,33	80,40	141,54

* Based on a 20mer; for oligos > 33 bases in length, yield guarantee does not apply.

DNA Oligos - plates

per nucleotide - Price/nt in €

Scale	11 - 40 nt	41 - 60 nt	61 - 80 nt
>/= 10 < 25 nmol	0,20	0,33	0,53
>/= 25 < 50 nmol	0,25	0,58	0,84
>/= 50 < 100 nmol	0,60	1,00	1,34

5' Modification - Price/modification in €

5' Modification	>/= 10 < 25 nmol	>/= 25 < 50 nmol	>/= 50 < 100 nmol
6-Fam	33,17	37,69	60,30
Biotin	42,21	52,76	67,84
C12 Amino	31,66	45,23	57,29
C6 Amino	13,57	18,09	22,61
Fluorescein	30,15	34,67	57,29
Inosine	7,54	12,06	15,08
Phosphate	19,60	30,15	42,21

3' Modification - Price/modification in €

3' Modification	>/= 10 < 25 nmol	>/= 25 < 50 nmol	>/= 50 < 100 nmol
Biotin	42,21	52,76	67,84
C7 Amino	15,08	21,11	42,21

Microtiter plate pricing - Price per plate in €

PlateType	Price (€)
96well, 1.2ml round well/U-bottomed	0,00
96 1.0 ml "Matrix" microplates w/o barcode	8,00
96 1.0 ml "Matrix" microplates 2D barcode	33,50

Shipping condition dry or wet in 6 different normalization options free of charge:

Concentration (μM)	Range of quantity delivered (nmol)		
	$\geq 10 < 25$	$\geq 25 < 50$	$\geq 50 < 100$
50 μM	yes	yes	no
100 μM	yes	yes	yes
200 μM	yes	yes	yes
300 μM	yes	yes	yes
400 μM	yes	yes	yes
500 μM	yes	yes	yes

- Delivery in 96well microtiter plates.
- Standard desalted, "ready-to-use" and 100% QCed oligos at top quality.
- 3 yield scales based on length independent delivered quantities from 10-100 nmol for oligos from 11-80 nucleotides.
- An extended standard selection of single modifications (5' or 3').
- Minimum number of oligos of the same kind (scale, modification, normalization, shipping condition) is 24 per 96well plate.
- Combination of batches of ≥ 24 congeneric oligos in one plate is allowed (e. g. 4x24, 2x48, 3x24, 2x24/1x48 etc.).
- Electronic transmission of synthesis reports.
- For more details and special needs, please contact us.

Mid/ Large Scale DNA oligonucleotides

Price/oligo in €

Scale

>/=50 mg	2780,00
>/=100 mg	3625,00
>/=250 mg	5025,00
>/=500 mg	7190,00
>/=1000 mg	9795,00

*Prices include GeneCust's standard mid/large scale QC package, consisting of an analytical HPLC and Mass Spec

General Terms & Specs:

- Prices refer to single stranded, unmodified, HPLC-purified, and lyophilized DNA oligonucleotide.
- Prices could vary with sequence composition and additional modifications.
- Please inquire for pricing and availability of modified sequences and oligo lengths outside the ranges listed above.

nGS Oligos

Price/oligo (€)

Scale	11 - 40 nt	41 - 80 nt
>/= 5 < 10 nmol	17,59	29,31
>/=10 < 20 nmol	23,45	35,18
>/=20 < 30 nmol	29,31	46,90
>/=30 < 50 nmol	41,04	70,35
>/=50 < 70 nmol	52,76	93,80

Phosphorothioates (PTO) - Price/base (€)

Scale	nGS grade
>/= 5 < 10 nmol	3,57
>/=10 < 20 nmol	4,27
>/=20 < 30 nmol	4,99
>/=30 < 50 nmol	6,41
>/=50 < 70 nmol	7,84

5' Modification - price in €

5' Modification	>/= 5 < 10 nmol	>/=10 < 20 nmol	>/=20 < 30 nmol	>/=30 < 50 nmol	>/=50 < 70 nmol
5-Me-dC	16,75	25,13	33,50	50,25	67,00
Biotin TEG	121,02	135,68	149,49	177,97	206,44
Inosine	7,12	10,69	10,69	14,24	17,09
Phosphate	14,24	21,36	28,48	42,71	56,95

3' Modification - price in €

3' Modification	>/= 5 < 10 nmol	>/=10 < 20 nmol	>/=20 < 30 nmol	>/=30 < 50 nmol	>/=50 < 70 nmol
5-Me-dC	16,75	25,13	33,50	50,25	67,00
ddC	50,25	83,75	117,25	167,50	217,75
Inosine	7,12	10,69	10,69	14,24	17,09

Internal Modification - price in €

Modification Intern	>/= 5 < 10 nmol	>/=10 < 20 nmol	>/=20 < 30 nmol	>/=30 < 50 nmol	>/=50 < 70 nmol
5-Me-dC	16,75	25,13	33,50	50,25	67,00
Inosine	7,12	10,69	10,69	14,24	17,09

- NGS grade purity guarantees high performance primers for all currently used NGS platforms/applications.
- 5 standard scales indicating range of quantity delivered.
- Fixed price per unmodified oligos - 2 different length ranges.
- Add-on prices for defined modifications.
- 100% quality assurance for chemical integrity of primers through documented ESI-ToF analysis.
- For larger amounts and additional modifications, please inquire.

Phosphorothioate (PTOs), 2'OMeRNA & Chimera

per nucleotide

Scale	HPLC
0,2 µmol	1,47
1,0 µmol	2,88
10,0 µmol	16,75

- Prices for antisense bases include HPLC purification.
- In order to minimize cytotoxicity issues, we recommend using our SEC Cartridge purification service.
- Cartridge Purification at 10,00 €
- Please inquire for larger scales

5' Modification - Price/base (€)

5' Modification	HPLC		
	0,2 µmol	1,0 µmol	10,0 µmol
2'OMe-A	10,05	18,84	62,81
2'OMe-C	10,05	18,84	62,81
2'OMe-G	10,05	18,84	62,81
2'OMe-U	10,05	18,84	62,81
5-Me-dC	31,83	62,81	195,14

3' Modification - Price/base (€)

3' Modification	HPLC		
	0,2 µmol	1,0 µmol	10,0 µmol
2'OMe-A	10,05	18,84	62,81
2'OMe-C	10,05	18,84	62,81
2'OMe-G	10,05	18,84	62,81
2'OMe-U	10,05	18,84	62,81
5-Me-dC	26,80	53,60	195,14

Internal Modification - Price/base (€)

Modification Intern	HPLC		
	0,2 µmol	1,0 µmol	10,0 µmol
2'OMe-A	10,05	18,84	83,75
2'OMe-C	10,05	18,84	83,75
2'OMe-G	10,05	18,84	83,75
2'OMe-U	10,05	18,84	83,75
5-Me-dC	26,80	53,60	195,14

Phosphorothioates (PTO) - Price/base (€)

Scale	HPLC
0,2 µmol	3,52
1,0 µmol	7,04
10,0 µmol	25,13

Dual Labelled Fluorogenic Probes (DLPs)

Level - pricing in €			
Scale	1	2	3
>= 5 < 10 nmol	111,39	181,74	252,09
>=10 < 20 nmol	134,84	216,91	298,99
>=20 < 30 nmol	175,88	281,40	386,93
>=30 < 50 nmol	293,13	410,38	562,80
>=50 < 70 nmol	492,45	533,49	732,81

* based on oligonucleotides of 6-40 bases in length

- For ranges ≥ 70 , please inquire.
- Price/probe. No base charges apply! Valid up to 40 bases.
- For longer oligos or other reporter/quencher combinations, please contact us.
- Prices include HPLC purification and documented Mass Spec. quality check to ensure probes are of highest quality!

5' Reporter / 3' Quencher Combination

5' Reporter - 3' Quencher

5' Modification	BBQ-650®	BHQ-1	BHQ-2	BHQ-3	Dabcyl	Eclipse™	Tamra
6-Fam	-	1	1	-	1	1	1
Atto 390	-	-	-	-	1	1	1
Atto 425	-	2	-	-	2	2	2
Atto 495	-	1	-	-	1	1	1
Atto 520	-	2	-	-	2	2	2
Atto Rho13	3	-	3	3	-	-	-
Atto Rho14	3	-	3	3	-	-	-
Atto Rho6G	2	2	2	-	2	2	2
Cy3	3	-	3	-	-	3	-
Cy5	3	-	3	3	-	-	-
Cy5.5	3	-	3	3	-	-	3
DY480XL	2	-	2	-	-	-	-
FITC	-	1	1	-	1	1	1
Fluorescein	-	1	1	-	1	1	1
Hex	1	1	1	-	1	1	1
IRD700	3	-	3	3	-	-	3
Joe	-	2	-	-	2	2	2

5' Reporter - 3' Quencher

5' Modification	BBQ-650®	BHQ-1	BHQ-2	BHQ-3	Dabcyl	Eclipse™	Tamra
LC Cyan 500	-	3	-	-	3	3	-
LC610	3	-	3	-	-	3	-
LC640	3	-	3	3	-	-	-
Rox	3	-	3	-	-	3	3
Tamra	3	-	3	-	3	3	-
Tet	-	2	2	-	2	2	2
TexasRed	3	-	3	-	-	3	-
Yakima Yellow	-	2	-	-	2	2	2

5' Quencher / 3' Reporter Combination

5' Quencher - 3' Reporter

3' Modification	BHQ-1	BHQ-2	Dabcyl	Eclipse™
6-Fam	2	2	1	1
Cy3	-	3	-	-
Cy5	-	3	-	-
Cy5.5	-	2	-	-
Hex	3	3	-	3
Joe	3	-	3	2
LC610	-	3	-	3
LC640	-	3	-	-
Rox	-	3	-	3

Internal Modification

Modification Intern	HPLC				
	>/= 5 < 10 nmol	>/=10 < 20 nmol	>/=20 < 30 nmol	>/=30 < 50 nmol	>/=50 < 70 nmol
2-Deoxyuridine	15,08	15,08	21,78	21,78	25,15
5-Me-dC	20,10	20,10	26,80	26,80	53,60
Biotin-dC	103,85	103,85	159,13	159,13	391,95
Biotin-dT	103,85	103,85	159,13	159,13	391,95
Inosine	15,08	15,08	21,78	21,78	25,13
pdC	48,58	48,58	92,13	92,13	162,48
pdU	48,58	48,58	92,13	92,13	162,48

ZNA Primers

per nucleotide - Price/base in €

Scale	Price (€)
>/= 5 < 10 nmol >/	1,42
=10 < 20 nmol	1,68
>/=20 < 30 nmol >/	2,09
=30 < 50 nmol	3,10
>/=50 < 70 nmol	4,10

- We offer 4 standard ZNA building block modifications: ZNA-2, ZNA-3, ZNA-4, and ZNA-5!

- ✓ ZNA-2 for oligos \geq 8mers
- ✓ ZNA-3 for oligos \geq 12mers
- ✓ ZNA-4 for oligos \geq 16mers
- ✓ ZNA-5 for oligos \geq 20mers

- Standard length range from 10 to 40mers
- HPLC and documented Mass-Check QC included
- 5 standard scales (yield ranges in nmoles)
- “Add-on” modification prices for base analogs (pdC, pdU; see table 1 below)
- “Add-on” modification prices for ZNA building blocks (see table 2 and 3 in the next page)
- For larger amounts please inquire

5' Modification - Price in €

5' Modification	>/= 5 < 10 nmol	>/=10 < 20 nmol	>/=20 < 30 nmol	>/=30 < 50 nmol	>/=50 < 70 nmol
ZNA-2	50,25	75,38	100,50	125,63	144,47
ZNA-3	56,53	81,66	106,78	131,91	150,75
ZNA-4	62,81	87,94	113,06	138,19	157,03
ZNA-5	81,66	106,78	131,91	157,03	194,72

* based on oligonucleotides of 10-40 bases in length

3' Modification - Price in €

3' Modification	>/= 5 < 10 nmol	>/=10 < 20 nmol	>/=20 < 30 nmol	>/=30 < 50 nmol	>/=50 < 70 nmol
ZNA-2	75,38	106,78	138,19	188,44	238,69
ZNA-3	94,22	125,63	163,31	226,13	276,38
ZNA-4	113,06	150,75	188,44	251,25	314,06
ZNA-5	150,75	188,44	226,13	276,38	364,31

* based on oligonucleotides of 10-40 bases in length

Internal Modification - Price in €

Modification Intern	>/= 5 < 10 nmol	>/=10 < 20 nmol	>/=20 < 30 nmol	>/=30 < 50 nmol	>/=50 < 70 nmol
Inosine	20,94	25,13	29,31	33,50	37,69
pdC	35,59	56,95	78,31	106,78	128,14
pdU	28,48	42,71	64,07	92,54	113,90

* based on oligonucleotides of 10-40 bases in length

ZNA Probes

		Level - pricing in €		
Scale	Number of tests*	1	2	3
>/= 5 < 10 nmol	2500	241,20	331,65	422,10
>/=10 < 20 nmol	5000	278,89	384,41	489,94
>/=20 < 30 nmol	10000	339,19	474,86	610,54
>/=30 < 50 nmol	15000	497,48	648,23	844,20
>/=50 < 70 nmol	25000	783,90	874,35	1130,63

* based on oligonucleotides of 8-40 bases in length

** N. of tests calculating 2 pmol of probe/rxn

- We offer 3 standard ZNA-Quencher (Q*ZNA-X) building block modifications for 3' labeling of DNA oligonucleotides.
- Respective choice of 3' building blocks will be made automatically by metabion according to the following scheme:
 - ✓ 3' Q*ZNA-2 for probes ≥ 8mers
 - ✓ 3' Q*ZNA-3 for probes ≥ 14mers
 - ✓ 3' Q*ZNA-4 for probes ≥ 18mers
- Standard length range from 8 to 40mers.
- HPLC and documented Mass-Check QC included.
- Various Reporter/ Quencher combinations at 3 complexity/pricing levels.
- You can choose among 5 standard scales (yield ranges in nmol).
- For 5' ZNA-Reporter labeling, please inquire!

5' Reporter / 3' Quencher Combination

5' Modification	5' Reporter - 3' Quencher				
	BBQ-650	BHQ-1	BHQ-2	Dabcyl	Eclipse
6-Fam	-	1	-	1	1
Cy3	2	-	2	-	-
Cy5	2	-	2	-	-
Cy5.5	2	-	3	-	-
Fluorescein	-	1	-	1	1
Hex	2	2	2	2	2
IRD700	2	-	2	-	-
Joe	-	2	-	2	2
LC610	3	-	3	-	3
LC640	3	-	3	-	-
Rox	3	3	3	-	3
Tet	-	3	-	3	3
TexasRed	3	-	3	-	3
Yakima Yellow	-	2	-	2	2

Internal Modification

Modification Intern	HPLC				
	>/= 5 < 10 nmol	>/=10 < 20 nmol	>/=20 < 30 nmol	>/=30 < 50 nmol	>/=50 < 70 nmol
2-Deoxyuridine	15,08	15,08	21,78	21,78	25,13
5-Me-dC	20,10	20,10	26,80	26,80	53,60
Biotin-dC	103,85	103,85	159,13	159,13	391,95
Biotin-dT	103,85	103,85	159,13	159,13	391,95
Inosine	15,08	15,08	21,78	21,78	25,13
pdC	48,58	48,58	92,13	92,13	162,48
pdU	48,58	48,58	92,13	92,13	162,48

Light Cycler™(LC™) HybProbes

		Level – pricing in €				
Scale	Number of tests*	1	2	3	4	5
01 nmol	300	121,44	293,96	376,88	482,40	603,00
02 nmol	600	131,15	331,65	422,10	542,70	678,38
03 nmol	1000	143,21	376,88	527,63	678,38	851,74
05 nmol	1500	173,36	565,31	716,06	912,04	1145,70
10 nmol	3000	376,88	738,68	889,43	1138,16	1424,59
20 nmol	6000	467,33	1190,93	1492,43	1914,53	2396,93
30 nmol	10000	565,31	1386,90	2095,43	2683,35	3354,19

- Prices include HPLC purification and documented Mass check to ensure probes are of the highest quality!
- LightCycler™ probes are delivered in 7 different scales of defined molar amounts (1 to 30 nmol, at lengths from 15 to 40 nt).
- Additional base charge of 2,00 € for probes >33 nt
- For probe design, larger molar amounts, large volume orders or other specials, please inquire at info@genecust.com.

* Values calculated for 3 pmol of probe per assay (range of optimal amount 2-10 pmol).

** Sold under license from Hoffmann-La Roche Ltd. No license under these patents to use the PCR Process is conveyed expressly or by implication to the purchaser by the purchase of this product. Further information on purchasing licenses to practice the PCR process may be obtained by contacting the Director of Licensing at Roche Molecular Systems, Inc., 1145 Atlantic Avenue, Alameda, California 94501. Custom synthesis of LC probes and oligonucleotides containing LCRed dyes under licence of Roche Diagnostics. All products are for research only. LightCycler® is a trademark of Idaho Technology Inc.

5'-3' label combinations

5' Modification	Fluo	free	LC610	LC640	LC670	LC705	Phosphate
Fluo	3	1	-	-	-	-	3
free	1	-	2	2	3	3	1
LC Cyan 500	3	2	-	-	-	-	4
LC610	4	1	4	-	-	-	2
LC640	4	1	-	5	-	-	2
LC670	4	1	4	4	4	-	2
LC705	4	1	5	5	5	-	2
Phosphate	2	-	3	3	3	4	-

Internal-3' label combinations

Modification Intern	Fluo	LC610	LC640	LC670	LC705	Phosphate
Fluo-dT	4	-	-	-	-	3
LC610-dT	5	5	-	-	-	4
LC640-dT	5	-	5	-	-	4
LC670-dT	5	-	-	5	-	5
LC705-dT	5	-	-	-	5	5

5'-Internal label combinations

5' Modification	Fluo-dT	LC610-dT	LC640-dT	LC670-dT	LC705-dT
Fluo	5	-	-	-	-
free	2	3	3	3	4
LC Cyan 500	5	-	-	-	-
LC610	-	5	-	-	-
LC640	-	-	5	-	-
LC670	5	-	-	5	-
LC705	5	5	5	5	5
Phosphate	2	3	3	3	4

Duplex DNA (dsDNA)

Duplex - price/duplex in €

Scale	11 - 40 bps	41 - 80 bps	81 - 120 bps	121 - 180 bps	181 - 220 bps
0,5 nmol	82,08	175,88	375,20	457,28	644,88
01 nmol	87,94	205,19	457,28	527,63	791,44
03 nmol	99,66	293,13	527,63	674,19	926,28
05 nmol	111,39	340,03	674,19	996,63	1160,78
10 nmol	123,11	410,38	879,38	please inquire	please inquire
25 nmol	257,95	527,63	please inquire	please inquire	please inquire
50 nmol	293,13	please inquire	please inquire	please inquire	please inquire
100 nmol	340,03	please inquire	please inquire	please inquire	please inquire
200 nmol	410,38	please inquire	please inquire	please inquire	please inquire

- For ranges > 220 bps, please inquire.
- Fixed price/duplex based on delivered quantities from 0.5-200 nmol for 11-220mer duplexes.
- Simple add-on price for one modification per ssDNA from the duplex DNA label pricelist. For more and/or other modifications, please inquire.
- 100% HPLC purification as well as QC by Mass-Check of ssDNA for best quality.
- Duplex formation verification and final ESI-ToF on the dsDNA.
- Shipping condition dry. Dissolving instructions for best duplex formation provided.

5' Modification - price per modification in €

5' Modification	0,5 nmol	01 nmol	03 nmol	05 nmol	10 nmol	25 nmol	50 nmol	100 nmol	200 nmol
2-Deoxyuridine	12,56	12,56	12,56	16,75	20,10	23,45	26,80	30,15	41,88
5-Me-dC	25,13	25,13	25,13	29,31	33,50	41,88	58,63	83,75	125,63
6-Fam	45,23	45,23	45,23	50,25	67,00	92,13	125,63	167,50	309,88
AldC	58,63	58,63	58,63	67,00	83,75	125,63	150,75	201,00	251,25
AldU	58,63	58,63	58,63	67,00	83,75	125,63	150,75	201,00	251,25
Alxyl	58,63	58,63	58,63	67,00	83,75	125,63	150,75	201,00	251,25
Atto 425	75,38	75,38	75,38	83,75	100,50	134,00	167,50	276,38	469,00
Atto 550	100,50	100,50	100,50	108,88	117,25	150,75	201,00	293,13	502,50
ATTO647N	150,75	150,75	150,75	167,50	201,00	251,25	301,50	552,75	1005,00
Biotin	41,88	41,88	41,88	55,28	67,00	92,13	134,00	226,13	268,00
C12 Amino	33,50	33,50	33,50	43,55	58,63	83,75	117,25	159,13	201,00
C3 spacer	58,63	58,63	58,63	67,00	83,75	125,63	150,75	201,00	251,25
C6 Amino	8,38	8,38	8,38	25,13	33,50	41,88	50,25	67,00	100,50

5' Modification	0,5 nmol	01 nmol	03 nmol	05 nmol	10 nmol	25 nmol	50 nmol	100 nmol	200 nmol
Cholesteryl TEG	234,50	234,50	234,50	234,50	301,50	402,00	552,75	686,75	837,50
Cy3	75,38	75,38	75,38	83,75	100,50	134,00	167,50	276,38	469,00
Cy5	75,38	75,38	75,38	83,75	100,50	134,00	167,50	276,38	469,00
Cy5.5	100,50	100,50	100,50	108,88	117,25	150,75	201,00	293,13	502,50
Digoxigenin	108,88	108,88	108,88	117,25	125,63	159,13	217,75	268,00	318,25
FITC	45,23	45,23	45,23	50,25	67,00	92,13	125,63	167,50	309,88
Fluorescein	45,23	45,23	45,23	50,25	67,00	92,13	125,63	167,50	309,88
HEG-spacer	33,50	33,50	33,50	41,88	67,00	117,25	142,38	159,13	209,38
Hex	58,63	58,63	58,63	67,00	83,75	117,25	150,75	251,25	418,75
Inosine	12,56	12,56	12,56	16,75	20,10	23,45	26,80	30,15	41,88
IRD700	100,50	100,50	100,50	108,88	117,25	150,75	201,00	293,13	502,50
IRD800	150,75	150,75	150,75	167,50	201,00	251,25	301,50	552,75	1005,00
Joe	100,50	100,50	100,50	108,88	117,25	150,75	201,00	293,13	502,50
Phosphate	13,40	13,40	13,40	30,15	41,88	58,63	67,00	83,75	117,25
Rox	100,50	100,50	100,50	108,88	117,25	150,75	201,00	293,13	502,50
Tamra	58,63	58,63	58,63	67,00	83,75	117,25	150,75	251,25	418,75
Tet	45,23	45,23	45,23	50,25	67,00	92,13	125,63	167,50	309,88
TexasRed	100,50	100,50	100,50	108,88	117,25	150,75	201,00	293,13	502,50
Thiol-C6	75,38	75,38	75,38	88,78	100,50	125,63	209,38	259,63	309,88
Yakima Yellow	108,88	108,88	108,88	125,63	142,38	167,50	234,50	335,00	586,50

3' Modification - price per modification in €

3' Modification	0,5 nmol	01 nmol	03 nmol	05 nmol	10 nmol	25 nmol	50 nmol	100 nmol	200 nmol
2-Deoxyuridine	12,56	12,56	12,56	16,75	20,10	23,45	26,80	30,15	41,88
5-Me-dC	25,13	25,13	25,13	29,31	33,50	41,88	58,63	83,75	125,63
6-Fam	45,23	45,23	45,23	50,25	67,00	92,13	125,63	167,50	309,88
AldC	58,63	58,63	58,63	67,00	83,75	125,63	150,75	201,00	251,25
AldU	58,63	58,63	58,63	67,00	83,75	125,63	150,75	201,00	251,25
Alrol	58,63	58,63	58,63	67,00	83,75	125,63	150,75	201,00	251,25
Atto 425	75,38	75,38	75,38	83,75	100,50	134,00	167,50	276,38	469,00
Atto 550	100,50	100,50	100,50	108,88	117,25	150,75	201,00	293,13	502,50
ATTO647N	150,75	150,75	150,75	167,50	201,00	251,25	301,50	552,75	1005,00
BHQ-1	41,88	41,88	41,88	50,25	92,13	134,00	217,75	301,50	385,25
BHQ-2	41,88	41,88	41,88	50,25	92,13	134,00	217,75	301,50	385,25
Biotin	41,88	41,88	41,88	55,28	67,00	92,13	134,00	226,13	268,00
C12 Amino	33,50	33,50	33,50	43,55	58,63	83,75	117,25	159,13	201,00

Custom Oligonucleotide PL

3' Modification	0,5 nmol	01 nmol	03 nmol	05 nmol	10 nmol	25 nmol	50 nmol	100 nmol	200 nmol
C3 spacer	58,63	58,63	58,63	67,00	83,75	125,63	150,75	201,00	251,25
C7 Amino	8,38	8,38	8,38	25,13	33,50	67,00	125,63	184,25	251,25
C9 spacer	58,63	58,63	58,63	67,00	83,75	125,63	150,75	201,00	251,25
Cholesteryl TEG	234,50	234,50	234,50	234,50	301,50	402,00	552,75	686,75	837,50
Cy3	75,38	75,38	75,38	83,75	100,50	134,00	167,50	276,38	469,00
Cy5	75,38	75,38	75,38	83,75	100,50	134,00	167,50	276,38	469,00
Cy5.5	100,50	100,50	100,50	108,88	117,25	150,75	201,00	293,13	502,50
Dabcyl	41,88	41,88	41,88	50,25	92,13	134,00	217,75	301,50	385,25
ddC	41,88	41,88	41,88	50,25	83,75	117,25	226,13	368,50	670,00
Digoxigenin	108,88	108,88	108,88	117,25	125,63	159,13	217,75	268,00	318,25
FITC	45,23	45,23	45,23	50,25	67,00	92,13	125,63	167,50	309,88
Fluorescein	45,23	45,23	45,23	50,25	67,00	92,13	125,63	167,50	309,88
HEG-spacer	33,50	33,50	33,50	41,88	67,00	117,25	142,38	159,13	209,38
Hex	58,63	58,63	58,63	67,00	83,75	117,25	150,75	251,25	418,75
Inosine	12,56	12,56	12,56	16,75	20,10	23,45	26,80	30,15	41,88
inverted dT	108,88	108,88	108,88	117,25	150,75	184,25	234,50	284,75	335,00
IRD700	100,50	100,50	100,50	108,88	117,25	150,75	201,00	293,13	502,50
IRD800	150,75	150,75	150,75	167,50	201,00	251,25	301,50	552,75	1005,00
Joe	100,50	100,50	100,50	108,88	117,25	150,75	201,00	293,13	502,50
Phosphate	13,40	13,40	13,40	30,15	41,88	58,63	67,00	83,75	117,25
Rox	100,50	100,50	100,50	108,88	117,25	150,75	201,00	293,13	502,50
Tamra	58,63	58,63	58,63	67,00	83,75	117,25	150,75	251,25	418,75
Tet	45,23	45,23	45,23	50,25	67,00	92,13	125,63	167,50	309,88
TexasRed	100,50	100,50	100,50	108,88	117,25	150,75	201,00	293,13	502,50
Thiol-C3	50,25	50,25	50,25	58,63	75,38	100,50	150,75	201,00	284,75
Yakima Yellow	108,88	108,88	108,88	125,63	142,38	167,50	234,50	335,00	586,25

Internal Modification - price per modification in €

Modification Intern	0,5 nmol	01 nmol	03 nmol	05 nmol	10 nmol	25 nmol	50 nmol	100 nmol	200 nmol
2-Deoxyuridine	12,56	12,56	12,56	16,75	20,10	23,45	26,80	30,15	41,88
5-Me-dC	25,13	25,13	25,13	29,31	33,50	41,88	58,63	83,75	125,63
6-Fam-dC	92,13	92,13	92,13	100,50	117,25	167,50	251,25	309,88	385,25
6-Fam-dT	92,13	92,13	92,13	100,50	117,25	167,50	251,25	309,88	385,25
AldC	58,63	58,63	58,63	67,00	83,75	83,75	125,63	167,50	251,25
AldU	58,63	58,63	58,63	67,00	83,75	83,75	125,63	167,50	251,25
Atto 425-dC	92,13	92,13	92,13	100,50	117,25	167,50	251,25	309,88	385,25

Custom Oligonucleotide PL

Modification Intern	0,5 nmol	01 nmol	03 nmol	05 nmol	10 nmol	25 nmol	50 nmol	100 nmol	200 nmol
Atto 425-dT	92,13	92,13	92,13	100,50	117,25	167,50	251,25	309,88	385,25
Atto 550-dC	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Atto 550-dT	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Biotin-dT	41,88	41,88	41,88	159,13	175,88	242,88	418,75	628,13	770,50
C2-Amino-dT	108,88	108,88	108,88	117,25	134,00	201,00	351,75	502,50	653,25
C3 spacer	58,63	58,63	58,63	67,00	83,75	125,63	150,75	201,00	251,25
C6-Amino-dT	108,88	108,88	108,88	117,25	134,00	201,00	351,75	502,50	653,25
Cy3-dC	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Cy3-dT	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Cy5.5-dC	184,25	184,25	184,25	201,00	268,00	402,00	536,00	670,00	837,50
Cy5.5-dT	184,25	184,25	184,25	201,00	268,00	402,00	536,00	670,00	837,50
Cy5-dC	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Cy5-dT	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Digoxigenin	108,88	108,88	108,88	117,25	125,63	159,13	217,75	268,00	318,25
dspacer	58,63	58,63	58,63	67,00	83,75	125,63	150,75	201,00	251,25
FITC-dT	92,13	92,13	92,13	100,50	117,25	167,50	251,25	309,88	385,25
Fluorescein-dC	92,13	92,13	92,13	100,50	117,25	167,50	251,25	309,88	385,25
Fluorescein-dT	92,13	92,13	92,13	100,50	117,25	167,50	251,25	309,88	385,25
HEG-spacer	25,13	25,13	25,13	29,31	33,50	41,88	58,63	83,75	125,63
Hex-dC	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Hex-dT	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Inosine	12,56	12,56	12,56	16,75	20,10	23,45	26,80	30,15	41,88
Joe-dC	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Joe-dT	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
pdU	58,63	58,63	58,63	67,00	100,50	142,38	201,00	268,00	318,25
Rox-dC	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Rox-dT	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Spacer-C12	58,63	58,63	58,63	67,00	100,50	142,38	201,00	268,00	318,25
Spacer-C6	58,63	58,63	58,63	67,00	83,75	125,63	150,75	201,00	251,25
Tamra-dC	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Tamra-dT	125,63	125,63	125,63	134,00	167,50	251,25	368,50	502,50	636,50
Tet-dC	92,13	92,13	92,13	100,50	117,25	167,50	251,25	309,88	385,25
Tet-dT	92,13	92,13	92,13	100,50	117,25	167,50	251,25	309,88	385,25
TexasRed-dT	184,25	184,25	184,25	201,00	268,00	402,00	536,00	670,00	837,50
Thiol-C6	75,38	75,38	75,38	88,78	100,50	125,63	209,88	259,63	309,88

RNA

RNA oligonucleotides - single tube

Standard Small Scale Synthesis- Desalted - price/nt in €

Scale	Desalted
	5 - 40 nt
>/= 10 < 25 nmol	4,69
>/= 25 < 50 nmol	7,04
>/= 50 < 100 nmol	9,38

Important Information:

- metabion offers 3 yield ranges based on length independent delivered quantities for oligos from 5-40 nucleotides.
- For oligos longer than 40 nucleotides, or for larger yields, please refer to RNA oligonucleotide – single tube – HPLC.
- For ranges ≥ 100 , please inquire.
- Shipping condition dry.

Analytical Services/printout

- MALDI (per analysis): 40,00 €
- ESI-ToF (per analysis): 40,00 €
- Analytical HPLC (per analysis): 40,00 €
- Mass Check + Analytical HPLC (per analysis): 80,00 €

Standard Small Scale Synthesis- HPLC - price/nt in €

Scale	HPLC		
	11 - 40 nt	41 - 60 nt	61 - 80 nt
>/= 5 < 25 nmol	6,87	9,38	12,56
>/= 25 < 50 nmol	9,05	10,72	14,41
>/= 50 < 100 nmol	10,30	14,07	16,33
>/= 100 < 200 nmol	13,23	17,59	21,78
>/= 200 < 400 nmol	17,59	20,94	26,80

*For oligos over 80 nts of length, please refer to the RNA Longmer section of this pricelist or inquire.

Important Information:

- For Scales \geq 400 nmol, please inquire.
- metabion offers 5 yield ranges based on length independent delivered quantities from 5-400 nmol for oligos from 2-80 nucleotides.
- For oligos longer than 80 nucleotides, please refer to the RNA Longmer section of this pricelist or inquire.
- 100% HPLC purification as well as QC by Mass-Check for best quality.
- Shipping condition dry.

Analytical Services/printout

- MALDI/ESI-ToF (per analysis): included
- Analytical HPLC (per analysis): 40,00 €

Standard Small Scale Synthesis- price/oligo in €

Scale	HPLC
	2 - 10 nt
>/= 5 < 25 nmol	75,38
>/= 25 < 50 nmol	100,50
>/= 50 < 100 nmol	113,06
>/= 100 < 200 nmol	144,89
>/= 200 < 400 nmol	188,44

5' Modification - price per modification in €

5' Modification	smallest scale	>= 25 < 50 nmol	>= 50 < 100 nmol	>= 100 < 200 nmol	>= 200 < 400 nmol
2-Aminopurine	112,23	139,03	194,30	229,48	346,73
2-Deoxyinosine	23,45	30,15	35,18	41,88	58,63
2-Deoxyuridine	35,18	41,88	53,60	58,63	88,78
2'F-A	41,88	43,55	58,63	65,33	100,50
2'F-C	41,88	43,55	58,63	65,33	100,50
2'F-G	41,88	43,55	58,63	65,33	100,50
2'F-U	41,88	43,55	58,63	65,33	100,50
2'OMe-A	11,73	18,43	20,10	23,45	35,18
2'OMe-C	11,73	18,43	20,10	23,45	35,18
2'OMe-G	11,73	18,43	20,10	23,45	35,18
2'OMe-U	11,73	18,43	20,10	23,45	35,18
5-Fluoro-dU	65,33	80,40	105,53	123,95	187,60
5-Me-dC	58,63	82,08	147,40	175,88	264,65
6-Fam	58,63	100,50	128,98	154,10	232,83
7-deaza-dG	234,50	281,40	375,20	515,90	please inquire
Atto 390	70,35	117,25	175,88	222,78	340,03
Atto 425	170,85	241,20	405,35	457,28	please inquire
Atto 550	222,78	335,00	433,83	480,73	please inquire
Atto 633	170,01	240,36	404,51	457,28	644,88
ATTO647N	222,78	335,00	398,65	480,73	please inquire
BBQ-650®	175,88	217,75	276,38	335,00	499,15
BHQ-1	175,88	217,75	276,38	335,00	499,15
BHQ-2	175,88	217,75	276,38	335,00	499,15
Biotin	53,60	73,70	93,80	117,25	175,88
Biotin TEG	128,98	152,43	182,58	217,75	328,30
Bromo-dA	58,63	70,35	105,53	187,60	234,50
Bromo-dC	35,18	46,90	58,63	117,25	175,88
Bromo-dG	58,63	70,35	105,53	187,60	234,50
Bromo-dU	35,18	46,90	58,63	117,25	175,88
C3 spacer	53,60	65,33	82,08	93,80	140,70
C3-Azid	35,18	46,90	58,63	117,25	175,88
C6 Amino	58,63	88,78	117,25	140,70	211,05
Cy3	105,53	199,33	293,13	410,38	586,25
Cy5	105,53	199,33	293,13	410,38	586,25
Cy5.5	140,70	246,23	386,93	609,70	please inquire
Dabcyl	82,08	105,53	211,05	252,93	375,20
Digoxigenin	105,53	140,70	222,78	269,68	405,35

5' Modification	smallest scale	>/= 25 < 50 nmol	>/= 50 < 100 nmol	>/= 100 < 200 nmol	>/= 200 < 400 nmol
DNA-A	1,76	2,93	4,69	8,21	12,90
DNA-C	1,76	2,93	4,69	8,21	12,90
DNA-G	1,76	2,93	4,69	8,21	12,90
DNA-T	1,76	2,93	4,69	8,21	12,90
Fluorescein	58,63	100,50	128,98	154,10	232,83
Hex	77,05	115,58	164,15	194,30	288,10
IRD700	187,60	246,23	386,93	609,70	please inquire
Joe	93,80	140,70	211,05	264,65	480,73
Phosphate	30,15	41,88	53,60	58,63	88,78
PTO	5,03	6,70	10,05	11,73	18,43
r-Inosine	88,78	115,58	140,70	164,15	246,23
Tamra	175,88	234,50	304,85	433,83	609,70
Tet	77,05	115,58	164,15	194,30	288,10
TexasRed	175,88	234,50	304,85	433,83	609,70
Thiol-C6	88,78	128,98	170,85	199,33	304,85
Yakima Yellow	140,70	222,78	293,13	422,10	597,98

Available for oligos delivered in single tube format.

Standard modification pricing refers to one modification per oligonucleotide. Dual or multiple labelling does not automatically follow simple addition arithmetic. Please inquire for feasibility and pricing.

3' Modification - price per modification in €

3' Modification	smallest scale	>/= 25 < 50 nmol	>/= 50 < 100 nmol	>/= 100 < 200 nmol	>/= 200 < 400 nmol
6-Fam	70,35	93,80	117,25	140,70	211,05
Atto 425	170,85	241,20	405,35	527,63	please inquire
Atto 550	222,78	335,00	433,83	551,08	please inquire
ATTO647N	222,78	335,00	433,83	551,08	please inquire
BBQ-650®	175,88	217,75	276,38	335,00	499,15
BHQ-1	175,88	217,75	276,38	335,00	499,15
BHQ-2	175,88	217,75	276,38	335,00	499,15
Biotin	82,08	100,50	147,40	175,88	222,78
Biotin TEG	128,98	152,43	182,58	217,75	328,30
C3 spacer	77,05	92,13	123,95	152,43	222,78
C7 Amino	58,63	65,33	88,78	100,50	152,43

3' Modification	smallest scale	>= 25 < 50 nmol	>= 50 < 100 nmol	>= 100 < 200 nmol	>= 200 < 400 nmol
Cholesteryl	please inquire	please inquire	please inquire	please inquire	please inquire
Cy3	105,53	199,33	340,03	480,73	762,13
Cy5	105,53	199,33	340,03	480,73	762,13
Cy5.5	140,70	246,23	410,38	527,63	809,03
Dabcyl	105,53	175,88	246,23	316,58	410,38
Digoxigenin	175,88	304,85	469,00	762,13	please inquire
DNA-A	1,76	2,93	4,69	8,21	12,90
DNA-C	1,76	2,93	4,69	8,21	12,90
DNA-G	1,76	2,93	4,69	8,21	12,90
DNA-T	1,76	2,93	4,69	8,21	12,90
Dy547	128,98	234,50	386,93	504,18	785,58
Fluorescein	70,35	93,80	117,25	140,70	211,05
Joe	128,98	234,50	386,93	504,18	785,58
Phosphate	30,15	41,88	53,60	58,63	88,78
PTO	18,43	21,78	23,45	25,13	30,15
Tamra	140,70	246,23	410,38	527,63	please inquire
TexasRed	128,98	234,50	386,93	504,18	785,58
Thiol-C6	82,08	123,95	152,43	182,58	269,68

Internal Modification - price per modification in €

Modification Intern	smallest scale	>= 25 < 50 nmol	>= 50 < 100 nmol	>= 100 < 200 nmol	>= 200 < 400 nmol
2-Aminopurine	112,23	139,03	194,30	229,48	346,73
2-Deoxyinosine	23,45	30,15	35,18	41,88	58,63
2-Deoxyuridine	35,18	41,88	53,60	58,63	88,78
2'F-A	41,88	43,55	58,63	65,33	100,50
2'F-C	41,88	43,55	58,63	65,33	100,50
2'F-G	41,88	43,55	58,63	65,33	100,50
2'F-U	41,88	43,55	58,63	65,33	100,50
2'OMe-A	11,73	18,43	20,10	23,45	35,18
2'OMe-C	11,73	18,43	20,10	23,45	35,18
2'OMe-G	11,73	18,43	20,10	23,45	35,18
2'OMe-U	11,73	18,43	20,10	23,45	35,18
5-Fluoro-dU	65,33	80,40	105,53	123,95	187,60
5-Me-dC	58,63	82,08	147,40	175,88	264,65
6-FAM-dU	70,35	105,53	140,70	187,60	293,13
6-Fam-U	264,65	351,75	562,80	762,13	please inquire

Custom Oligonucleotide PL

Modification Intern	smallest scale	>= 25 < 50 nmol	>= 50 < 100 nmol	>= 100 < 200 nmol	>= 200 < 400 nmol
7-deaza-dG	234,50	281,40	375,20	515,90	please inquire
Atto 425-dU	170,85	241,20	405,35	457,28	please inquire
Atto 425-U	363,48	433,83	773,85	832,48	please inquire
Atto 550-dU	222,78	335,00	433,83	480,73	please inquire
Atto 550-U	386,93	457,28	809,03	879,38	please inquire
Atto 633-dC	363,48	433,83	773,85	832,48	please inquire
Atto 633-dU	170,85	241,20	405,35	457,28	644,88
Atto647N-dU	222,78	335,00	433,83	480,73	please inquire
Atto647N-U	398,65	469,00	832,48	926,28	please inquire
Bromo-dA	58,63	70,35	105,53	187,60	234,50
Bromo-dC	35,18	46,90	58,63	117,25	175,88
Bromo-dG	58,63	70,35	105,53	187,60	234,50
Bromo-dU	35,18	46,90	58,63	117,25	175,88
C3-Azid-dT	35,18	46,90	58,63	117,25	175,88
C6-Amino-U	105,53	140,70	175,88	211,05	246,23
Cy3-dU	105,63	199,33	293,13	469,00	please inquire
Cy3-U	299,83	393,63	668,33	832,48	please inquire
Cy5.5-dU	105,63	199,33	293,13	469,00	please inquire
CY5.5-U	299,83	393,63	668,33	832,48	please inquire
Cy5-dU	105,63	199,33	293,13	469,00	please inquire
Cy5-U	299,83	393,63	668,33	832,48	please inquire
DNA-A	1,76	2,93	4,69	8,21	12,90
DNA-C	1,76	2,93	4,69	8,21	12,90
DNA-G	1,76	2,93	4,69	8,21	12,90
DNA-T	1,76	2,93	4,69	8,21	12,90
Fluorescein-dU	70,35	105,53	140,70	187,60	293,13
Fluorescein-U	264,65	351,75	562,80	762,13	961,45
Joe-dU	93,80	140,70	211,05	293,13	480,73
Joe-U	293,13	393,63	668,33	832,48	1113,88
PTO	5,03	6,70	10,05	11,73	18,43
r-Inosine	77,05	115,58	140,70	164,15	246,23
rSpacer	105,53	140,70	175,88	211,05	246,23
Tamra-dU	117,25	234,50	304,85	370,18	551,08
Tamra-U	316,58	492,45	715,23	832,48	1113,88
TexasRed-dU	117,25	234,50	304,85	370,18	551,08
TexasRed-U	264,65	351,75	562,80	762,13	961,45

RNA Oligos - plates

Price/nt in €

Scale	Desalted	
	5 - 20 nt	21 - 40 nt
>/= 10 < 25 nmol	3,40	4,10
>/= 25 < 50 nmol	4,10	5,28

Important Information:

- Delivery in 96well microtiter plates.
- Standard desalted, “ready-to-use” and 100% QCed oligos at top quality.
- 2 yield scales based on length independent delivered quantities from 10-50 nmol for oligos from 5-40 nucleotides.
- Minimum number of oligos of the same kind (scale, modification, normalization, shipping condition) is 48 per 96well plate.
- Combination of batches of ≥48 congeneric oligos in one plate is allowed (2x48).
- Shipping condition dry.
- Electronic transmission of synthesis reports.

5' Modification - Price per modification in €

5' Modification	Desalted	
	>/= 10 < 25 nmol	>/= 25 < 50 nmol
6-Fam	35,18	58,63
Biotin	46,90	70,35
C12 Amino	35,18	58,63
C6 Amino	11,73	17,59
Fluorescein	35,18	58,63
Phosphate	23,45	35,18

3' Modification - Price per modification in €

3' Modification	Desalted	
	>/= 10 < 25 nmol	>/= 25 < 50 nmol
Biotin	46,90	70,35
C7 Amino	23,45	35,18

Microtiter plate pricing - Price per plate in €

PlateType	Price (€)
96well, 1.2ml round well/U-bottomed	0,00
96 1.0 ml "Matrix" microplates w/o barcode	10,00
96 1.0 ml "Matrix" microplates 2D barcode	35,00

RNA Longmers

Price/oligo in €				
Scale	HPLC			
	60 - 80 nt	81 - 100 nt	101 - 120 nt	121 - 140 nt
01 nmol	340,00	410,00	644,00	879,00
02 nmol	387,00	644,00	844,00	please inquire
05 nmol	562,00	879,00	1114,00	please inquire
10 nmol	691,00	1055,00	1289,00	please inquire

*quantity delivered in [nmol]

Important Information:

- GeneCust offers RNA Longmers in 4 final yields based on length independent delivered quantities of 1-10 nmol for oligos from 60-140 nucleotides.
- For oligos between 60 and 80 nucleotides, please refer to the modification list available for our standard single-tube RNA portfolio.
- 100% HPLC purification as well as QC by Mass-Check for best quality.
- Shipping condition dry.

5' Modification - price per modification in €

5' Modification	HPLC			
	01 nmol	02 nmol	05 nmol	10 nmol
2-Aminopurine	111,39	111,39	111,39	111,39
2-Deoxyinosine	23,45	23,45	23,45	23,45
2-Deoxyuridine	35,18	35,18	35,18	35,18
2'F-A	41,04	41,04	41,04	41,04
2'F-C	41,04	41,04	41,04	41,04
2'F-G	41,04	41,04	41,04	41,04
2'F-U	41,04	41,04	41,04	41,04
2'OMe-A	11,73	11,73	11,73	11,73
2'OMe-C	11,73	11,73	11,73	11,73
2'OMe-G	11,73	11,73	11,73	11,73
2'OMe-U	11,73	11,73	11,73	11,73
5-Fluoro-dU	64,49	64,49	64,49	64,49
5-Me-dC	58,63	58,63	58,63	58,63
6-Fam	58,63	58,63	58,63	58,63
7-deaza-dG	234,50	234,50	234,50	234,50

Custom Oligonucleotide PL

5' Modification	HPLC			
	01 nmol	02 nmol	05 nmol	10 nmol
Atto 390	70,35	70,35	70,35	70,35
Atto 425	170,01	170,01	170,01	170,01
Atto 550	222,78	222,78	222,78	222,78
Atto 633	170,01	170,01	170,01	170,01
ATTO647N	222,78	222,78	222,78	222,78
BBQ-650®	175,88	175,88	175,88	175,88
BHQ-1	175,88	175,88	175,88	175,88
BHQ-2	175,88	175,88	175,88	175,88
Biotin	52,76	52,76	52,76	52,76
Biotin TEG	128,98	128,98	128,98	128,98
Bromo-dA	58,63	58,63	58,63	58,63
Bromo-dC	35,18	35,18	35,18	35,18
Bromo-dG	58,63	58,63	58,63	58,63
Bromo-dU	35,18	35,18	35,18	35,18
C3 spacer	52,76	52,76	52,76	52,76
C3-Azid	35,18	35,18	35,18	35,18
C6 Amino	58,63	58,63	58,63	58,63
Cy3	105,53	105,53	105,53	105,53
Cy5	105,53	105,53	105,53	105,53
Cy5.5	140,70	140,70	140,70	140,70
Dabcyl	82,08	82,08	82,08	82,08
Digoxigenin	105,53	105,53	105,53	105,53
DNA-A	1,76	1,76	1,76	1,76
DNA-C	1,76	1,76	1,76	1,76
DNA-G	1,76	1,76	1,76	1,76
DNA-T	1,76	1,76	1,76	1,76
Fluorescein	58,63	58,63	58,63	58,63
Hex	76,21	76,21	76,21	76,21
IRD700	187,60	187,60	187,60	187,60
Joe	93,80	93,80	93,80	93,80
Phosphate	29,31	29,31	29,31	29,31
PTO	4,69	4,69	4,69	4,69
r-Inosine	87,94	87,94	87,94	87,94
Tamra	175,88	175,88	175,88	175,88
Tet	76,21	76,21	76,21	76,21
TexasRed	175,88	175,88	175,88	175,88
Thiol-C6	87,94	87,94	87,94	87,94
Yakima Yellow	140,70	140,70	140,70	140,70

Available for Oligos delivered in single tube format.

Standard modification pricing refers to one modification per oligonucleotide. Dual or multiple labelling does not automatically follow simple addition arithmetics. Please inquire for feasibility and pricing.

3' Modification - price per modification in €

3' Modification	HPLC			
	01 nmol	02 nmol	05 nmol	10 nmol
2'OMe-A	11,73	11,73	11,73	11,73
2'OMe-C	11,73	11,73	11,73	11,73
2'OMe-G	11,73	11,73	11,73	11,73
2'OMe-U	11,73	11,73	11,73	11,73
6-Fam	70,35	70,35	70,35	70,35
Atto 425	170,01	170,01	170,01	170,01
Atto 550	222,78	222,78	222,78	222,78
ATTO647N	222,78	222,78	222,78	222,78
BBQ-650®	175,88	175,88	175,88	175,88
BHQ-1	175,88	175,88	175,88	175,88
BHQ-2	175,88	175,88	175,88	175,88
Biotin	82,08	82,08	82,08	82,08
Biotin TEG	128,98	128,98	128,98	128,98
C3 spacer	76,21	76,21	76,21	76,21
C7 Amino	58,63	58,63	58,63	58,63
Cholesteryl	-	-	-	-
Cy3	105,53	105,53	105,53	105,53
Cy5	105,53	105,53	105,53	105,53
Cy5.5	140,70	140,70	140,70	140,70
Dabcyl	105,53	105,53	105,53	105,53
Digoxigenin	175,88	175,88	175,88	175,88
DNA-A	1,76	1,76	1,76	1,76
DNA-C	1,76	1,76	1,76	1,76
DNA-G	1,76	1,76	1,76	1,76
DNA-T	1,76	1,76	1,76	1,76
Dy547	128,98	128,98	128,98	128,98
Fluorescein	70,35	70,35	70,35	70,35
Joe	128,98	128,98	128,98	128,98
Phosphate	29,31	29,31	29,31	29,31

3' Modification	HPLC			
	01 nmol	02 nmol	05 nmol	10 nmol
PTO	17,59	17,59	17,59	17,59
Tamra	140,70	140,70	140,70	140,70
TexasRed	128,98	128,98	128,98	128,98
Thiol-C6	82,08	82,08	82,08	82,08

Internal Modification - price per modification in €

Modification Intern	HPLC			
	01 nmol	02 nmol	05 nmol	10 nmol
2-Aminopurine	111,39	111,39	111,39	111,39
2-Deoxyinosine	23,45	23,45	23,45	23,45
2-Deoxyuridine	35,18	35,18	35,18	35,18
2'F-A	41,04	41,04	41,04	41,04
2'F-C	41,04	41,04	41,04	41,04
2'F-G	41,04	41,04	41,04	41,04
2'F-U	41,04	41,04	41,04	41,04
2'OMe-A	11,73	11,73	11,73	11,73
2'OMe-C	11,73	11,73	11,73	11,73
2'OMe-G	11,73	11,73	11,73	11,73
2'OMe-U	11,73	11,73	11,73	11,73
5-Fluoro-dU	64,49	64,49	64,49	64,49
5-Me-dC	58,63	58,63	58,63	58,63
6-FAM-dU	70,35	70,35	70,35	70,35
6-Fam-U	263,81	263,81	263,81	263,81
7-deaza-dG	234,50	234,50	234,50	234,50
Atto 425-dU	170,01	170,01	170,01	170,01
Atto 425-U	363,48	363,48	363,48	363,48
Atto 550-dU	222,78	222,78	222,78	222,78
Atto 550-U	386,93	386,93	386,93	386,93
Atto 633-dC	363,48	363,48	363,48	363,48
Atto 633-dU	170,01	170,01	170,01	170,01
Atto647N-dU	222,78	222,78	222,78	222,78
Atto647N-U	398,65	398,65	398,65	398,65
Bromo-dA	58,63	58,63	58,63	58,63
Bromo-dC	35,18	35,18	35,18	35,18
Bromo-dG	58,63	58,63	58,63	58,63
Bromo-dU	35,18	35,18	35,18	35,18
C3-Azid-dT	35,18	35,18	35,18	35,18

Custom Oligonucleotide PL

Modification Intern	HPLC			
	01 nmol	02 nmol	05 nmol	10 nmol
C6-Amino-U	105,63	105,63	105,63	105,63
Cy3-dU	105,63	105,63	105,63	105,63
Cy3-U	298,99	298,99	298,99	298,99
Cy5.5-dU	105,63	105,63	105,63	105,63
CY5.5-U	298,99	298,99	298,99	298,99
Cy5-dU	105,63	105,63	105,63	105,63
Cy5-U	298,99	298,99	298,99	298,99
DNA-A	1,76	1,76	1,76	1,76
DNA-C	1,76	1,76	1,76	1,76
DNA-G	1,76	1,76	1,76	1,76
DNA-T	1,76	1,76	1,76	1,76
Fluorescein-dU	70,35	70,35	70,35	70,35
Fluorescein-U	263,81	263,81	263,81	263,81
Joe-dU	93,80	93,80	93,80	93,80
Joe-U	293,13	293,13	293,13	293,13
PTO	4,69	4,69	4,69	4,69
r-Inosine	76,21	76,21	76,21	76,21
rSpacer	105,53	105,53	105,53	105,53
Tamra-dU	117,25	117,25	117,25	117,25
Tamra-U	316,58	316,58	316,58	316,58
TexasRed-dU	117,25	117,25	117,25	117,25
TexasRed-U	263,81	263,81	263,81	263,81

Mid/ Large Scale RNA oligonucleotides

Price/oligo in €*		
Scale	HPLC	
	15 - 25 nt	26 - 35 nt
>/=50 mg	5083,00	10301,00
>/=100 mg	7160,00	11892,00
>/=250 mg	11080,00	16080,00
>/=500 mg	16530,00	23115,00
>/=1000 mg	28768,00	35175,00

* including GeneCust's standard large scale QC package, consisting of an analytical HPLC and Mass Spec

General Terms & Specs:

- Delivered oligonucleotides are HPLC purified, Mass-checked for best quality, and lyophilized.
- Prices could vary with sequence composition and additional modifications.
- Please inquire for pricing and availability of modified sequences and oligo lengths outside the ranges listed above.

siRNA/ RNAi/ duplex RNA

Duplex RNA/ siRNA - price/duplex in €

Scale	11 - 40 bps
10 nmol	326,63
25 nmol	427,13
50 nmol	485,75
100 nmol	619,75
200 nmol	820,75

Important information:

- Fixed price/duplex based on length independent delivered quantities from 10-200 nmol for 11-40mer duplexes
- 3' DNA overhangs up to 2 nts without extra charge. Total length per ssRNA/RNA-DNA chimera must not exceed 40 nts each nor be shorter than 11 nts.
- For 5' Phosphorylation of both strands, a scale independent surcharge of 105,00 € applies.
- 100% HPLC purification as well as QC by Mass-Check of ssRNA for best quality.
- Shipping condition dry. Dissolving instructions for best duplex formation provided.

Dual Labelled Fluorogenic RNA Probes/ RNA qPCR probes

Level - pricing in €

Scale	1	2	3
>/= 1 < 5 nmol	457,28	762,13	1043,53
>/= 5 < 10 nmol	557,78	909,53	1261,28
>/=10 < 20 nmol	675,03	1085,40	1495,78
>/=20 < 30 nmol	879,38	1407,00	1934,63
>/=30 < 50 nmol	1465,63	2051,88	2814,00

* based on oligonucleotides of 15-40 bases in length

- For ranges ≥ 50 , please inquire.
- Prices include HPLC purification and MalDI-ToF quality check to ensure probes are of highest quality!
- Price/probe. No base charges apply! Valid up to 40 bases.
- For longer oligos or other reporter/quencher combinations, please contact us.

5' Reporter / 3' Quencher Combination

5' Reporter - 3' Quencher

5' Modification	BBQ-650®	BHQ-1	BHQ-2	Dabcyl	Eclipse™
6-Fam	-	1	1	1	1
Cy3	3	-	3	-	3
Cy5	3	-	3	-	-
Cy5.5	3	-	3	-	-
FITC	-	1	1	1	1
Fluorescein	-	1	1	1	1
Hex	1	1	1	1	1
IRD700	3	-	3	-	-
Joe	-	2	-	2	2
LC Cyan 500	-	3	-	3	3
LC610	3	-	3	-	3
LC640	3	-	3	-	-
Rox	3	-	3	-	3
Tamra	3	-	3	3	3
Tet	-	2	2	2	2
TexasRed	3	-	3	-	3
Yakima Yellow	-	2	-	2	2

5' Quencher / 3' Reporter Combination

5' Quencher - 3' Reporter

3' Modification	BBQ-650®	BHQ-1	BHQ-2	Dabcyl	Eclipse™
6-Fam	-	2	2	1	1
Cy3	-	-	3	-	-
Cy5	3	-	3	-	-
Cy5.5	3	-	3	-	-
Fluorescein	-	2	2	1	1
Hex	-	3	3	-	3
Joe	-	3	-	2	2
LC610	3	-	3	-	3
LC640	3	-	3	-	-
Rox	3	-	3	-	3

Internal Modification

Modification Intern	>/= 1 < 5 nmol	>/= 5 < 10 nmol	>/=10 < 20 nmol	>/=20 < 30 nmol	>/=30 < 50 nmol
2-Deoxyinosine	23,45	30,15	35,18	41,88	58,63
2-Deoxyuridine	35,18	41,88	53,60	58,63	88,78
2'F-A	41,88	43,55	58,63	65,33	100,50
2'F-C	41,88	43,55	58,63	65,33	100,50
2'F-G	41,88	43,55	58,63	65,33	100,50
2'F-U	41,88	43,55	58,63	65,33	100,50
2'OMe-A	11,73	18,43	20,10	23,45	35,18
2'OMe-C	11,73	18,43	20,10	23,45	35,18
2'OMe-G	11,73	18,43	20,10	23,45	35,18
2'OMe-U	11,73	18,43	20,10	23,45	35,18
5-Fluoro-dU	65,33	80,40	105,53	123,95	187,60
5-Me-dC	58,63	82,08	147,40	175,88	264,65
7-deaza-dG	234,50	281,40	375,20	515,90	-
DNA-A	1,76	2,93	4,69	8,21	12,90
DNA-C	1,76	2,93	4,69	8,21	12,90
DNA-G	1,76	2,93	4,69	8,21	12,90
DNA-T	1,76	2,93	4,69	8,21	12,90
PTO	5,03	6,70	10,05	11,73	18,43
r-Inosine	77,05	115,58	140,70	164,15	246,23

Additional Service

Quality Check

Documentation Type	Price (€)
Analytical HPLC	41,88
eAnalytical HPLC	167,50
eESI-TOF	167,50
eMALDI-TOF	167,50
eMass Check	50,00
eMass Check + Analytical HPLC	167,50
ESI-TOF	41,88
MALDI-TOF	41,88
Mass Check	0,00
Mass Check + Analytical HPLC	83,75

Trademarks

ABI Prism® is a registered trademarks of The Perkin-Elmer Corp.

Alexa®, Alexa Fluor®, BODIPY®, Calcium Green®, Cascade Blue®, Fura Red®, Marina Blue®, Oregon Green®, Pacific Blue™, Rhodamine Green™, Rhodamine Red™, SYBR®, Texas Red® are registered trademarks of Molecular Probes, Inc.

Black Hole Quencher™, BHQ®-0, BHQ®-1, BHQ®-2, BHQ®-3, and Quasar™ are registered trademarks of Biosearch Technologies, Inc.

Eclipse® and Yakima Yellow® are trademarks of ELITechGroup, formerly Epoch Biosciences Inc.

BlackBerry is a trademark of Berry & Associates, Inc.

Cy® and CyDye® are registered trademarks of GE Healthcare.

IRDye®700TM, IRDye®800 and IRDye®700DX are registered trademarks of LI-COR

LightCycler® is a registered trademark of Roche Diagnostics GmbH.

Taqman® is a registered trademark of Applied Biosystems, Inc.

EvaGreen® is a registered trademark and licensed for sale by Biotium, Inc., Hayward, CA, USA

SYBR® is a registered trademark of Invitrogen Corporation, Carlsbad, California, USA

Chromeo™ is a trademark of Active Motif Chromeon GmbH, Germany Eterneon™ is a trademark of baseclick GmbH, Germany

Eterneon™ is a trademark of baseclick GmbH, Germany

454™, 454 LIFE SCIENCES™, 454 SEQUENCING™, GS FLX™, GS FLX TITANIUM™, GS JUNIOR™, EMPCR™, PICOTITERPLATE™, PTP™, REM™, FASTSTART™, CASY™, and INNOVATIS™, are trademarks of Roche.