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DNA OLIGONUCLEOTIDES

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DNA PRICE LIST

DNA OLIGONUCLEOTIDES

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SYNTHESIS SCALE ¹	XS 0,02 µmol	S 0,05 µmol	M 0,2 µmol	L 1,0 µmol	XL 10,0 µmol
Price per base	0,44 €	0,55 €	0,99 €	2,68 €	15,90 €
Cartridge purification yield (Cartridge) ²	no extra charge > 2 OD	no extra charge 3 – 5 OD	– –	– –	– –
HPLC purification per oligo yield (HPLC) ²	– –	11,00 € 3 – 5 OD	13,00 € 10 – 20 OD	21,00 € 30 – 60 OD	69,00 € 200 – 400 OD
PAGE purification per oligo yield (PAGE) ²	– –	– –	59,00 € 1 – 3 OD	89,00 € 5 – 10 OD	on request

PHOSPHOTHIOATE OLIGOS (PTO)

SYNTHESIS SCALE	S	M	L	XL
Phosphothioate (only „Full“-PTO)	4,00 €	5,00 €	7,00 €	30,00 €
Phosphothioate (for individual PTO)	9,90 €	11,00 €	14,00 €	45,00 €

MID-SCALE DNA SYNTHESIS (XXL)

SYNTHESIS SCALE	XXL10MG	XXL25MG	XXL50MG	XXL100MG	XXL250MG	XXL500MG
Yield (mg)	> 10 mg	> 25 mg	> 50 mg	> 100 mg	> 250 mg	> 500 mg
Yield (OD), approx.	350 OD	850 OD	1700 OD	3400 OD	8500 OD	17000 OD
Yield (µmol) 20mer, approx.	1,5 µmol	3,5 µmol	7,5 µmol	15 µmol	38 µmol	77 µmol
Price per base	19,00 €	25,00 €	45,00 €	80,00 €	140,00 €	250,00 €
Price per base PTO	33,00 €	40,00 €	65,00 €	95,00 €	155,00 €	270,00 €
HPLC purification inclusive	yes	yes	yes	yes	yes	yes

These scales are valid for DNA oligos from 12 to 40 bases without wobbles and modifications. XXL scale oligonucleotides are available with purification by gel filtration or reverse phase HPLC purification. Each oligo will be quality checked by Maldi mass spectrometry. The final amounts are approximate values and valid for a 20mer DNA oligonucleotide with a mixed sequence and not for homopolymers.

SYNTHESIS SCALE	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD
2'-Deoxy-Inosine	8,00 €	9,00 €	10,00 €
2'-Deoxy-Uridine	8,00 €	9,00 €	10,00 €
2'-Fluoro-deoxy base	on request	on request	on request
2'-O-Methoxyethyl-RNA base	140,00 €	140,00 €	140,00 €
2'-O-Methyl-RNA base	39,00 €	39,00 €	60,00 €
2'-O-Propargyl-RNA base	75,00 €	95,00 €	145,00 €
5-Brom-deoxy-Uridine	on request	on request	on request
5-Ethynyl-dU	105,00 €	145,00 €	195,00 €
5-Hydroxymethyl-deoxy-Cytidine (5-hm-dC)	on request	on request	on request
5-Methyl-deoxy-Cytidine (5-Me-dC)	8,00 €	9,00 €	10,00 €
8-Oxo-deoxy-Guanosine	on request	on request	on request
Amino C6 dT	70,00 €	105,00 €	160,00 €
AP-dC (G-Clamp)	on request	on request	on request
Azide dT (Azidobenzoate)	145,00 €	195,00 €	245,00 €
Azide dT (Azidobutyrate)	145,00 €	195,00 €	245,00 €
Biotin dT	210,00 €	290,00 €	410,00 €
C8-Alkyne dC	125,00 €	165,00 €	225,00 €
C8-Alkyne dU	105,00 €	145,00 €	195,00 €
DBCO dT	210,00 €	290,00 €	410,00 €
Ethynyl-dSpacer	on request	on request	on request
L-DNA base ³	starting at 20,00 €	starting at 25,00 €	starting at 30,00 €
Locked Nucleic Acid base (LNA)	starting at 11,00 €	starting at 11,00 €	starting at 32,00 €
PC Linker, PC Spacer	on request	on request	on request
pdC, pdU	30,00 €	40,00 €	60,00 €

SYNTHESIS SCALE	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD
reverse DNA base	starting at 7,50 €	starting at 10,00 €	starting at 15,00 €
RNA base	starting at 60,00 €	starting at 80,00 €	starting at 120,00 €
dSpacer	starting at 45,00 €	starting at 65,00 €	starting at 85,00 €
Spacer C3	65,00 €	80,00 €	120,00 €
Spacer C6	65,00 €	80,00 €	120,00 €
Spacer C12	65,00 €	80,00 €	120,00 €
Spacer 9	65,00 €	80,00 €	120,00 €
Spacer 12	on request	on request	on request
Spacer 18 (HEG)	38,00 €	45,00 €	60,00 €
Thiol C6 SS	170,00 €	220,00 €	270,00 €
Wobbles (standard)	on request	on request	on request
Wobbles (special mixture)	30,00 €	30,00 €	30,00 €

MODIFICATIONS	5'			3'		
SYNTHESIS SCALE	S	M	L	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD	>2 OD	>5 OD	>15 OD
2', 3'-Dideoxy-Cytidine (ddC)	–	–	–	120,00 €	180,00 €	700,00 €
2-Cyanobenzothiazole	125,00 €	195,00 €	390,00	–	–	–
Acridinium Ester	230,00 €	290,00 €	410,00 €	230,00 €	290,00 €	410,00 €
Acrydite (Methacrylamide)	105,00 €	165,00 €	250,00 €	125,00 €	165,00 €	250,00 €
Aldehyde (Formylbenzoate)	89,00 €	145,00 €	185,00 €	115,00 €	165,00 €	205,00 €
Alkyne (ACH)	79,00 €	145,00 €	225,00 €	79,00 €	145,00 €	225,00 €
Aminolink C3	–	–	–	45,00 €	55,00 €	90,00 €
Aminolink C6 MMT	30,00 €	35,00 €	45,00 €	35,00 €	45,00 €	85,00 €
Aminolink C12	on request	on request	on request	–	–	–
Aminooxyacetate (AOA)	95,00 €	145,00 €	195,00 €	–	–	–
Anthracinone	59,00 €	95,00 €	145,00 €	79,00 €	145,00 €	195,00 €
Azide (Azidobenzoate)	59,00 €	95,00 €	145,00 €	–	–	–
Azide (Azidobutyrate)	79,00 €	145,00 €	225,00 €	–	–	–
Azide Pro	–	–	–	79,00 €	145,00 €	225,00 €
Benzophenone	59,00 €	95,00 €	145,00 €	79,00 €	105,00 €	185,00 €
Benzylcytosine	on request	on request	on request	on request	on request	on request
Benzylguanine	on request	on request	on request	on request	on request	on request
Biotin	49,00 €	65,00 €	99,00 €	–	–	–
Biotin-C6	60,00 €	80,00 €	105,00 €	–	–	–
Biotin-TEG	59,00 €	75,00 €	120,00 €	59,00 €	75,00 €	120,00 €
Carboxymethylaniline (4-CMA)	90,00 €	145,00 €	225,00 €	145,00 €	225,00 €	300,00 €
Carboxy Modifier C10	on request	on request	on request	–	–	–
Cholesterol ³	starting at 90,00 €	starting at 120,00 €	295,00 €	79,00 €	145,00 €	225,00 €

MODIFICATIONS	5'			3'		
SYNTHESIS SCALE	S	M	L	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD	>2 OD	>5 OD	>15 OD
Coenzyme A	on request	on request	on request	on request	on request	on request
Cysteine (tbuSS)	105,00 €	125,00 €	225,00 €	125,00 €	165,00 €	290,00 €
DBCO	49,00 €	69,00 €	99,00 €	69,00 €	89,00 €	139,00 €
Desthiobiotin	95,00 €	165,00 €	300,00 €	95,00 €	165,00 €	300,00 €
Digoxigenin	59,00 €	75,00 €	120,00 €	70,00 €	100,00 €	185,00 €
Distearoyl lipid	on request	on request	on request	—	—	—
DNP	59,00 €	75,00 €	120,00 €	59,00 €	75,00 €	120,00 €
Dual Biotin	290,00 €	390,00 €	590,00 €	320,00 €	420,00 €	620,00 €
Ethane-Diol	on request	on request	on request	—	—	—
Ethynyl-dSpacer	—	—	—	105,00 €	165,00 €	250,00 €
Ferrocene	90,00 €	145,00 €	225,00 €	140,00 €	195,00 €	275,00 €
Folate	on request	on request	on request	—	—	—
GlyGlyGly	125,00 €	165,00 €	290,00 €	125,00 €	165,00 €	290,00 €
HaloTag (O2)	145,00 €	225,00 €	350,00 €	195,00 €	275,00 €	390,00 €
HaloTag (O4)	165,00 €	295,00 €	420,00 €	235,00 €	350,00 €	510,00 €
Hexynyllink	on request	on request	on request	—	—	—
His6	on request	on request	on request	on request	on request	on request
Hydrazide	89,00 €	145,00 €	225,00 €	—	—	—
Ibuprofen	59,00 €	105,00 €	185,00 €	79,00 €	145,00 €	225,00 €
Iminobiotin	on request	on request	on request	on request	on request	on request
Inverted End (3'-3')	—	—	—	20,00 €	40,00 €	80,00 €
Maleimidlink	95,00 €	165,00 €	300,00 €	145,00 €	250,00 €	450,00 €
Methylene Blue	105,00 €	165,00 €	250,00 €	115,00 €	195,00 €	390,00 €

MODIFICATIONS	5'			3'		
SYNTHESIS SCALE	S	M	L	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD	>2 OD	>5 OD	>15 OD
Nile Blue	115,00 €	195,00 €	390,00 €	115,00 €	195,00 €	390,00 €
Norbornene	59,00 €	105,00 €	185,00 €	—	—	—
OPSS	59,00 €	75,00 €	120,00 €	79,00 €	95,00 €	165,00 €
Palmitate	on request	on request	on request	on request	on request	on request
PC Aminomodifier	on request	on request	on request	—	—	—
PC Biotin	on request	on request	on request	—	—	—
Phosphate	45,00 €	55,00 €	89,00 €	30,00 €	40,00 €	55,00 €
Psoralen C6	on request	on request	on request	—	—	—
Puromycin	—	—	—	70,00 €	90,00 €	160,00 €
Pyrene	105,00 €	165,00 €	250,00 €	105,00 €	165,00 €	250,00 €
rApp	on request	on request	on request	—	—	—
SCO PEG3	89,00 €	145,00 €	225,00 €	—	—	—
Spacer C3	65,00 €	80,00 €	120,00 €	30,00 €	40,00 €	80,00 €
Spacer C6	65,00 €	80,00 €	120,00 €	30,00 €	40,00 €	80,00 €
Spacer C12	65,00 €	80,00 €	120,00 €	40,00 €	60,00 €	90,00 €
Spacer 9	65,00 €	80,00 €	120,00 €	40,00 €	60,00 €	90,00 €
Spacer 12	on request	on request	on request	on request	on request	on request
Spacer 18	38,00 €	45,00 €	60,00 €	30,00 €	40,00 €	80,00 €
Succinate	55,00 €	85,00 €	150,00 €	—	—	—
TCO	89,00 €	145,00 €	225,00 €	105,00 €	165,00 €	250,00 €
Tetrazine (Methyltetrazine PEG5)	105,00 €	165,00 €	250,00 €	105,00 €	165,00 €	250,00 €
Thioctic Acid	70,00 €	145,00 €	225,00 €	70,00 €	145,00 €	225,00 €
Thiol C3	—	—	—	69,00 €	89,00 €	125,00 €

MODIFICATIONS	5'			3'		
SYNTHESIS SCALE	S	M	L	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD	>2 OD	>5 OD	>15 OD
Thiol C6	79,00 €	115,00 €	185,00 €	89,00 €	125,00 €	195,00 €
Thiophosphate	40,00 €	50,00 €	65,00 €	40,00 €	50,00 €	65,00 €
Tocopherol	190,00 €	290,00 €	400,00 €	145,00 €	195,00 €	290,00 €
Trimethoxystilbene	on request	on request	on request	–	–	–
Trolox	59,00 €	105,00 €	185,00 €	79,00 €	145,00 €	225,00 €
Viologen	145,00 €	195,00 €	290,00 €	–	–	–

MODIFICATIONS	5'			3'		
SYNTHESIS SCALE	S	M	L	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD	>2 OD	>5 OD	>15 OD
Abberior dyes	on request	on request	on request	on request	on request	on request
AMCA	70,00 €	145,00 €	225,00 €	70,00 €	100,00 €	185,00 €
Atto 390	89,00 €	145,00 €	225,00 €	145,00 €	225,00 €	295,00 €
Atto 425	89,00 €	145,00 €	225,00 €	145,00 €	225,00 €	295,00 €
Atto 430LS	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Atto 465	89,00 €	145,00 €	225,00 €	145,00 €	225,00 €	295,00 €
Atto 488	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Atto 490LS	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Atto 495	89,00 €	145,00 €	225,00 €	145,00 €	225,00 €	295,00 €
Atto Rho110	105,00 €	195,00 €	325,00 €	165,00 €	250,00 €	390,00 €
Atto 514	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Atto 520	89,00 €	145,00 €	225,00 €	145,00 €	225,00 €	295,00 €
Atto 532	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Atto Rho6G	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Atto 542	145,00 €	225,00 €	365,00 €	185,00 €	295,00 €	425,00 €
Atto 550	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Atto 565	89,00 €	145,00 €	225,00 €	145,00 €	225,00 €	295,00 €
Atto Rho 3B	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Atto Rho11	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Atto Rho12	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Atto Rho101	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Atto 590	89,00 €	145,00 €	225,00 €	145,00 €	225,00 €	295,00 €
Atto 594	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €

MODIFICATIONS	5'			3'		
SYNTHESIS SCALE	S	M	L	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD	>2 OD	>5 OD	>15 OD
Atto 610	105,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Atto 620	145,00 €	225,00 €	365,00 €	185,00 €	295,00 €	425,00 €
Atto 633	145,00 €	225,00 €	365,00 €	185,00 €	295,00 €	425,00 €
Atto 643	195,00 €	295,00 €	445,00 €	245,00 €	355,00 €	490,00 €
Atto 647N	145,00 €	225,00 €	365,00 €	185,00 €	295,00 €	425,00 €
Atto 655	145,00 €	225,00 €	365,00 €	185,00 €	295,00 €	425,00 €
Atto 665	145,00 €	225,00 €	365,00 €	185,00 €	295,00 €	425,00 €
Atto MB2	89,00 €	145,00 €	225,00 €	250,00 €	425,00 €	795,00 €
Atto 680	145,00 €	225,00 €	365,00 €	185,00 €	295,00 €	425,00 €
Atto 700	145,00 €	225,00 €	365,00 €	185,00 €	295,00 €	425,00 €
BDP FL, BDP R6G, BDP TMR,	79,00 €	105,00 €	185,00 €	95,00 €	165,00 €	300,00 €
BDP 581/591, BDP TR, BDP 630/650 X						
BMN-488	90,00 €	145,00 €	225,00 €	145,00 €	195,00 €	390,00 €
BMN-505, BMN-536, BMN-562	40,00 €	75,00 €	120,00 €	-	-	-
Carboxyrhodamine 110	79,00 €	105,00 €	185,00 €	95,00 €	165,00 €	300,00 €
Cyanine 3, Cyanine 5,	69,00 €	105,00 €	185,00 €	79,00 €	105,00 €	185,00 €
Cyanine 3.5, Cyanine 5.5,						
Cyanine 7						
Cyanine 3B	on request	on request	on request	on request	on request	on request
DY-350	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-350-XL	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-370-XL	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €

MODIFICATIONS	5'			3'		
SYNTHESIS SCALE	S	M	L	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD	>2 OD	>5 OD	>15 OD
DY-380-XL	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-395-XL	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-405	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-415	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-475-XL	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-480-XL	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-481-XL	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-485-XL	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-490	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-495	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-500-XL	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-505	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-510-XL	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-520-XL	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-521-XL	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-530	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-547 P1	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-550	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-555	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-556	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-560	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-590	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-615	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €

MODIFICATIONS	5'			3'		
SYNTHESIS SCALE	S	M	L	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD	>2 OD	>5 OD	>15 OD
DY-630	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-631	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-632	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-634	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-636	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-647 P1	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-649 P1	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-651	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-675	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-676	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-679	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-681	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-682	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-700	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-701	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-730	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-750	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-751	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-781	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
DY-782	95,00 €	195,00 €	295,00 €	165,00 €	250,00 €	390,00 €
Fam	35,00 €	45,00 €	85,00 €	55,00 €	70,00 €	145,00 €
FITC	59,00 €	105,00 €	185,00 €	79,00 €	105,00 €	185,00 €
Hex	45,00 €	65,00 €	125,00 €	79,00 €	145,00 €	225,00 €

MODIFICATIONS	5'			3'		
SYNTHESIS SCALE	S	M	L	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD	>2 OD	>5 OD	>15 OD
Joe	59,00 €	105,00 €	185,00 €	79,00 €	145,00 €	225,00 €
Marina Blue	79,00 €	145,00 €	225,00 €	115,00 €	195,00 €	390,00 €
NBD-X	125,00 €	165,00 €	225,00 €	-	-	-
Oregon Green 488	79,00 €	145,00 €	225,00 €	115,00 €	195,00 €	390,00 €
Pacific Blue	79,00 €	145,00 €	225,00 €	115,00 €	195,00 €	390,00 €
Rhodamine 6G	59,00 €	105,00 €	185,00 €	59,00 €	105,00 €	185,00 €
Rhodamine Green-X, Rhodamine Red-X	79,00 €	145,00 €	225,00 €	115,00 €	195,00 €	390,00 €
Rox	59,00 €	105,00 €	185,00 €	59,00 €	105,00 €	185,00 €
Sima	35,00 €	60,00 €	120,00 €	-	-	-
SiR	250,00 €	390,00 €	750,00 €	290,00 €	450,00 €	890,00 €
Tamra	59,00 €	105,00 €	185,00 €	59,00 €	105,00 €	185,00 €
Tet	59,00 €	105,00 €	185,00 €	-	-	-
Texas Red-X	79,00 €	145,00 €	225,00 €	115,00 €	195,00 €	390,00 €
Thiazol Orange	79,00 €	105,00 €	225,00 €	90,00 €	145,00 €	290,00 €
VIC	on request	on request	on request	on request	on request	on request
Yakima Yellow	on request	on request	on request	-	-	-

MODIFICATIONS	5'			3'		
SYNTHESIS SCALE	S	M	L	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD	>2 OD	>5 OD	>15 OD
BMN-Q460, BMN-Q535,	79,00 €	105,00 €	185,00 €	59,00 €	105,00 €	185,00 €
BMN-Q620						
BMN-Q1, BMN-Q2	195,00 €	225,00 €	390,00 €	59,00 €	105,00 €	185,00 €
BBQ-650	79,00 €	145,00 €	290,00 €	79,00 €	125,00 €	225,00 €
BHQ-1	on request	on request	on request	79,00 €	125,00 €	225,00 €
BHQ-2	on request	on request	on request	79,00 €	125,00 €	225,00 €
Dabcyl	59,00 €	105,00 €	185,00 €	59,00 €	105,00 €	185,00 €
TQ2	–	–	–	79,00 €	125,00 €	225,00 €
TQ3	–	–	–	79,00 €	125,00 €	225,00 €

INTERNAL FLUORESCENT MODIFICATIONS | INTERNAL DYES AND QUENCHERS **Part 1**

SYNTHESIS SCALE ¹	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD
dT-Atto dye	starting at 230,00 €	starting at 310,00 €	starting at 435,00 €
dT-BHQ-1, BHQ-2	on request	on request	on request
dT-Cyanine 3, Cyanine 5, Cyanine 5.5	210,00 €	290,00 €	410,00 €
dT-Dabcyl	282,00 €	282,00 €	320,00 €
dT-DY dye	starting at 230,00 €	starting at 310,00 €	starting at 435,00 €
dT-Fam	105,00 €	125,00 €	185,00 €
dT-Joe	210,00 €	290,00 €	410,00 €
dT-Rhodamine 6G	210,00 €	290,00 €	410,00 €

SYNTHESIS SCALE ¹	S	M	L
Guaranteed yield ²	>2 OD	>5 OD	>15 OD
dT-Rhodamine Green-X	290,00 €	390,00 €	590,00 €
dT-Rox	210,00 €	290,00 €	410,00 €
dT-Tamra	210,00 €	290,00 €	410,00 €

DUAL-LABELLED PROBES⁵

SYNTHESIS SCALE		S	M	L
Guaranteed yield ²		>1 OD	>3 OD	>6 OD
5'-Fluorophor	3'-Quencher			
Fam, Hex	BMN-Q535, BMN-Q1	95,00 €	225,00 €	360,00 €
	TQ2, BHQ-1, BBQ-650, Tamra	125,00 €	240,00 €	440,00 €
Cyanine 3, Cyanine 3.5, Cyanine 5, Cyanine 5.5	BMN-Q620, BMN-Q2	95,00 €	225,00 €	360,00 €
	TQ2, TQ3, BHQ-1, BHQ-2, BBQ-650	125,00 €	240,00 €	440,00 €
Rox	BMN-Q620, BMN-Q2	95,00 €	225,00 €	360,00 €
	TQ3, BHQ-2, BBQ-650	125,00 €	240,00 €	440,00 €
Texas Red	BMN-Q620, BMN-Q2	169,00 €	240,00 €	440,00 €
	BHQ-2, BBQ-650	195,00 €	240,00 €	440,00 €
VIC	BMN-Q535, BMN-Q1, BMN-Q2, TQ2, BHQ-1	195,00 €	240,00 €	440,00 €
Joe	BMN-Q535, BMN-Q1	95,00 €	225,00 €	360,00 €
	TQ2, BHQ-1, BBQ-650	125,00 €	240,00 €	440,00 €
Yakima Yellow	BHQ-1, BBQ-650	on request	on request	on request
Atto, DY	BMN-Quencher	starting at 195,00 €	starting at 265,00 €	starting at 490,00 €
	TQ, BHQ, BBQ Quencher	starting at 225,00 €	starting at 285,00 €	starting at 545,00 €

Prices are only valid for selected Atto and Dyomics dyes and may differ.
Please do not hesitate to contact our customer support for more information.

SYNTHESIS SCALE		S	M	L
Guaranteed yield ²		> 1 OD	> 3 OD	> 6 OD
5'-Fluorophor	3'-Quencher			
Fam or Hex	BMN-Q535, TQ2, TQ3, BHQ-1, BHQ-2, BBQ-650, Dabcyl	125,00 €	300,00 €	500,00 €
Cyanine 3, Cyanine 3.5, Cyanine 5, Cyanine 5.5, Rox	BMN-Q535, TQ2, TQ3, BHQ-1, BHQ-2, BBQ-650, Dabcyl	155,00 €	300,00 €	500,00 €
Yakima Yellow, Joe, Texas Red, Atto Dyes, Dyomics Dyes	BMN-Q535, TQ2, TQ3, BHQ-1, BHQ-2, BBQ-650, Dabcyl	starting at 235,00 €	starting at 300,00 €	starting at 500,00 €

Annotation to Dual labelled probes and Molecular Beacons

All standard fluorophore/quencher combinations can be ordered online.

If you need a combination that is not listed here, please do not hesitate to contact us.

DOUBLE QUENCHED PROBES

SYNTHESE - SCALE			S	M	L
Guaranteed yield ²			> 1 OD	> 3 OD	> 6 OD
5'-Fluorophor	int. Quencher	3'-Quencher			
Fam	BMN-Q535	BMN-Q535	139,00 €	245,00 €	400,00 €
Hex, Joe	BMN-Q535	BMN-Q535	159,00 €	245,00 €	490,00 €
Cyanine, Rox	BMN-Q620	BMN-Q620	195,00 €	245,00 €	490,00 €
Atto dye	BMN-Q535, BMN-Q620	BMN-Q535, BMN-Q620	starting at 195,00 €	starting at 290,00 €	starting at 490,00 €

Prices are only valid for selected Atto and Dyomics dyes and may differ.

Please do not hesitate to contact our customer support for more information.

DOPE-FISH PROBES⁵

SYNTHESIS SCALE		S	M	L
Guaranteed yield ²		> 1 OD	> 3 OD	> 6 OD
3', 5'-Fam, FITC, Cyanine, Tamra		145,00 €	195,00 €	390,00 €
Atto dye		starting at 225,00 €	starting at 290,00 €	starting at 490,00 €

SYNTHESIS SCALE	S	M	L
Guaranteed yield ²	> 1 OD	> 2 OD	> 4 OD
Price per Conjugate	290,00 €	450,00 €	750,00 €

OLIGO PRODUCTS

Random Hexamer	SP10001	1 OD	8,00 €
		5 OD	14,00 €
		10 OD	24,00 €
Oligo dT20	SP10002	1 OD	8,00 €
		5 OD	14,00 €
		10 OD	24,00 €
RNase Substrate	SP10003	10 nmol	195,00 €
TSO Oligo	SP10004	1 OD	95,00 €
Oligo-dT30VN	SP10005	1 OD	29,00 €
ISPCR Oligo	SP10006	1 OD	19,00 €
FLAP X (Fam)	SM10001	1 OD	95,00 €
FLAP X (Cyanine 3)	SM10002	1 OD	95,00 €
FLAP X (Cyanine 5)	SM10003	1 OD	95,00 €
FLAP Y (Fam)	SM10004	1 OD	95,00 €
FLAP Y (Cyanine 3)	SM10005	1 OD	95,00 €
FLAP Y (Cyanine 5)	SM10006	1 OD	95,00 €
FLAP Z (Fam)	SM10007	1 OD	95,00 €
FLAP Z (Cyanine 3)	SM10008	1 OD	95,00 €
FLAP Z (Cyanine 5)	SM10009	1 OD	95,00 €
Universal Reporter URA (Fam)	UR10001	1 nmol	124,50 €
Universal Reporter URB (Hex)	UR10002	1 nmol	124,50 €
Universal Reporter URC (Rox)	UR10003	1 nmol	124,50 €
Universal Reporter URD (Cyanine 5)	UR10004	1 nmol	124,50 €
Universal Reporter URE (Cyanine 5.5)	UR10005	1 nmol	124,50 €

FOR OLIGOS IN TUBES

Concentration adjustment from 50 – 500 μM ⁸	per oligo	starting at 1,00 €
Additional aliquots ⁸	per aliquot	starting at 1,00 €

FOR OLIGOS IN 96 DEEPWELL-PLATES (for more than 50 oligonucleotides)

Concentration adjustment from 50 – 500 μM ⁸	per oligo	starting at 1,00 €
96 Deepwell Plate ⁹	per plate	no extra charge

FURTHER SERVICES ARE AVAILABLE ON REQUEST E.G.:

Purifications	Ion exchange HPLC (IEX-HPLC) / multiple reverse phase HPLC / gel filtration	
Analytics	Capillary gel electrophoresis (CE) / analytical HPLC / electrospray mass spectrometry / fluorescence spectroscopy	
Quantify and dissolution	extensive verification of concentrations / several buffer systems / aliquots	
Documentation	Extended documentation / lot tracing / E-certificate	



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You have any questions or suggestions? Do you need modifications, which aren't listed? Contact us!

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1 The synthesis scale reflects the amount of starting material and not the final yield. The minimum length for scales XS, S, M and XL is 12 bases, for scale L 6 bases. The maximum length for scale XS is 60 bases for scales S, M, L 140 bases, for scale XL 40 bases. Synthesis scale XS is only available with cartridge purification, scales M, L, XL are only available with HPLC purification. Each oligo up to 50 bases is quality checked by Maldi mass spectrometry.

2 The delivery amounts are valid for mixed sequences and may vary for oligonucleotides with strong secondary structures and homopolymers. The lower yields are guaranteed for a 20mer DNA oligonucleotide.

3 The price depends on the number of identical modifications per order. Please do not hesitate to contact our customer support for more information.

4 Prices per modification are valid for single modified oligonucleotides using standard coupling reaction chemistry (NHS ester) and include the HPLC purification of the oligonucleotide. Maximum length for 5'-modified oligos is 80 bases, maximum length for 3'-modified oligos is 45 bases. Longer oligos with end modifications on request.

5 Prices include DNA oligonucleotide with max. 40 bases, 5'- and 3'-modification, HPLC purification and Maldi control.

6 Molecular Beacon Probes are characterised by a probing sequence and two arms of 5 - 7 nucleotides at the 3'- and 5'-end of the oligonucleotide being self-complementary to each other; the Molecular Beacon forms a hairpin loop. Prices include DNA oligonucleotide with max. 40 bases, 5'- and 3'-modification, HPLC purification and Maldi control.

7 Price includes DNA oligonucleotide up to 30 bases, conjugation and PAGE purification.

8 Prices depend on the scale of oligonucleotides. Information on the concentration adjustment depends on the scale of the oligo and the feasibility.

9 For >50 oligos per plate, with oligos in columns without gaps. For other plate configurations please ask for prices and instructions.

10 On all articles except shipping costs.

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