

Price List Oligonucleotides

All prices in EUR, VAT may apply
valid from November 1st, 2009; errors excluded

DNA Oligonucleotides

All oligonucleotides are salt-free, quantified and documented.

Minimum length is 12 bases in scales XS and S and 6 bases in scales M, L, and XL.

Standard purification: Reverse phase cartridge. All oligonucleotides (up to 50 bases) are controlled by MALDI mass spectrometry.

Synthesis Scale	(0,02 µmol) XS*	(0,05 µmol) S**	(0,2 µmol) M**	(1,0 µmol) L**	(10,0 µmol) XL
Yield (Cartridge / HPLC)***	> 2 OD	3 - 5 OD	10 - 20 OD	30 - 60 OD	200 - 400 OD
Yield (PAGE)***	-----	1 - 3 OD	3 - 6 OD	10 - 20 OD	on request
Price per base	0,39 €	0,49 €	0,89 €	2,39 €	14,00 €
HPLC per oligo	-----	9,00 €	9,00 €	19,00 €	59,00 €
PAGE per oligo	-----	29,00 €	29,00 €	49,00 €	on request
Wobbles	-----	frei	frei	frei	frei
2'-deoxy Inosine	-----	8,00 €	9,00 €	10,00 €	85,00 €
2'-Deoxyuridine	-----	8,00 €	9,00 €	10,00 €	85,00 €
Amino-dT (deoxy Thymidine with aminolink at C5)	-----	70,00 €	105,00 €	160,00 €	840,00 €
FAM-dT (deoxy Thymidine with FAM at C5)	-----	105,00 €	125,00 €	185,00 €	1.200,00 €
5-Methyl-desoxy Cytidine (5-Me-dC)	-----	8,00 €	9,00 €	10,00 €	85,00 €
dSpacer (abasic side)	-----	45,00 €	65,00 €	80,00 €	on request
Spacer18 (hexaethylenglycol spacer)	-----	38,00 €	45,00 €	60,00 €	on request
Phosphothioate (for individual PTO)	-----	5,00 €	5,00 €	11,00 €	37,00 €
Phosphothioate (only "Full-PTO")	-----	3,00 €	3,00 €	6,00 €	30,00 €
RNA - / 2'-OMe-RNA-Base****	-----	30,00 €	30,00 €	60,00 €	140,00 €

* Oligo up to 60 bases, HPLC and/or PAGE purification not available, no wobbles.

** Cartridge up to 60 bases, HPLC or PAGE up to 140 bases.

*** Lower yield is guaranteed for a 20 mer DNA oligonucleotide, homopolymers may yield less.

**** Price per RNA 2'-OMe-RNA-base, when included in a DNA oligonucleotide.

5'-Modification

Prices per modification, HPLC purification of the labelled oligonucleotide is included.

	S	M	L	XL
Yield (HPLC)*	2 - 5 OD	5 - 15 OD	15 - 40 OD	150 - 200 OD
Aminolink C6 [±]	20,00 €	25,00 €	30,00 €	300,00 €
Biotin [±]	30,00 €	40,00 €	60,00 €	600,00 €
Digoxigenin [+++]	59,00 €	75,00 €	120,00 €	on request
Ferrocene [+++]	90,00 €	145,00 €	225,00 €	on request
Methylene blue [+++]	105,00 €	165,00 €	250,00 €	on request
Phosphate [±]	20,00 €	25,00 €	30,00 €	300,00 €
Thiol C6 [±±]	40,00 €	60,00 €	80,00 €	on request
6-FAM [±±]	30,00 €	40,00 €	60,00 €	600,00 €
HEX, TET [±±]	35,00 €	60,00 €	120,00 €	1.200,00 €
JOE [+++]	40,00 €	75,00 €	120,00 €	on request
Yakima Yellow [+++]	125,00 €	195,00 €	390,00 €	on request
SIMA [+++]	35,00 €	60,00 €	120,00 €	on request
Cy3, Cy5 [±±]	40,00 €	75,00 €	120,00 €	1.200,00 €
ROX, TAMRA, Rhodamin6G [+++]	40,00 €	75,00 €	120,00 €	on request
BMN TM -5, BMN TM -6 [+++]	40,00 €	75,00 €	120,00 €	on request
Texas Red [®] , Pacific Blue [®] , Marina Blue [®] [+++]	70,00 €	145,00 €	225,00 €	on request
AMCA [±±±]	70,00 €	145,00 €	225,00 €	on request
Dyomics dyes [±±±]	79,00 €	145,00 €	225,00 €	on request
Atto 425, 465, 520, 565, 590 [+++]	59,00 €	105,00 €	185,00 €	on request
Atto 390, 488, 495, 532, 550, 594 [+++]	90,00 €	145,00 €	225,00 €	on request
Atto 620, 633, 647N, 655 [+++]	105,00 €	165,00 €	250,00 €	on request

[±] = Maximum length 140 bases; [±±] = Maximum length 80 bases; [±±±] = Maximum length 50 bases

The given lengths apply for standard orders. For longer oligonucleotides using these labels please inquire.

* Lower yield is guaranteed for a single modified 20 mer DNA oligonucleotide.

3'-Modification

3'-Modification for oligonucleotides up to 45 bases, for longer oligonucleotides please inquire.

	S	M	L	XL
Yield (HPLC)*	2 - 5 OD	5 - 15 OD	15 - 40 OD	150 - 200 OD
Aminolink C6	30,00 €	40,00 €	80,00 €	on request
Biotin-TEG	40,00 €	60,00 €	90,00 €	900,00 €
Digoxigenin	70,00 €	100,00 €	185,00 €	on request
Inverted End (3'-3')	20,00 €	40,00 €	80,00 €	800,00 €
Phosphate	20,00 €	30,00 €	40,00 €	400,00 €
Spacer C3	30,00 €	40,00 €	80,00 €	800,00 €
Thiol C3	40,00 €	60,00 €	90,00 €	900,00 €
6-FAM	30,00 €	40,00 €	80,00 €	800,00 €
JOE, ROX, TAMRA, Rhodamin6G	59,00 €	105,00 €	185,00 €	on request
BMN™-5, BMN™-6	59,00 €	105,00 €	185,00 €	on request
Texas Red®, Pacific Blue®, Marina Blue®	115,00 €	195,00 €	390,00 €	on request
AMCA	70,00 €	100,00 €	185,00 €	on request
Dyomics dyes	115,00 €	195,00 €	390,00 €	on request
Atto 425, 465, 520, 565, 590	95,00 €	165,00 €	300,00 €	on request
Atto 390, 488, 495, 532, 550, 594	145,00 €	225,00 €	360,00 €	on request
Atto 620, 633, 647N, 655	165,00 €	250,00 €	400,00 €	on request
Dabcyl, Dabsyl	59,00 €	105,00 €	185,00 €	on request
BHQ-1, BHQ-2	59,00 €	105,00 €	185,00 €	on request
DDQ-1, BBQ-650	59,00 €	105,00 €	185,00 €	on request

* Lower yield is guaranteed for a single modified 20 mer DNA oligonucleotide.

RT-PCR- and qPCR-Probes

Price includes DNA oligonucleotide up to 40 bases, 5'- and 3'-modification, HPLC purification and MALDI control.

Other modifications on request.

Dual-Labelled Probes		S	M	L
Guaranteed Yield		>1 OD	>3 OD	>6 OD
5'-Fluorophor	3'-Quencher			
6-FAM	DDQ-1	160,00 €	240,00 €	400,00 €
6-FAM, HEX, TET	TAMRA	160,00 €	240,00 €	400,00 €
6-FAM, HEX, TET	Dabcyl	160,00 €	240,00 €	400,00 €
6-FAM, HEX, TET	BHQ-1	195,00 €	240,00 €	400,00 €
Yakima Yellow	BHQ-1	195,00 €	280,00 €	490,00 €
Cy3, Cy5	BHQ-2	195,00 €	240,00 €	400,00 €
TAMRA, ROX	BHQ-2	195,00 €	240,00 €	400,00 €
Cy3, TAMRA, TexasRed, ROX, Cy5	BBQ-650	195,00 €	240,00 €	400,00 €
Yakima Yellow	BBQ-650	195,00 €	280,00 €	490,00 €

Prices are inclusive DNA-oligonucleotide up to 60 bases, 5'-fluorophore, internal coupling of the quencher as well as the polymerase blocker, HPLC-purification and MALDI quality control. Other modifications on request.

Scorpions®			S	M	L
Guaranteed Yield			>1 OD	>2 OD	>4 OD
5'-Fluorophor	Quencher	Blocker			
6-FAM, HEX, TET	int. BHQ-1	Spacer18	290,00 €	390,00 €	520,00 €
Cy3, Cy5	int. BHQ-2	Spacer18	290,00 €	390,00 €	520,00 €
6-FAM, HEX, TET	int. Dabcyl	Spacer18	270,00 €	370,00 €	500,00 €
Cy3, Cy5	int. Dabcyl	Spacer18	270,00 €	370,00 €	500,00 €

Molecular Beacon Probes

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 up to 40 bases, 5'- and 3'-modification, HPLC purification and MALDI control.

		S	M	L
Guaranteed Yield		>1 OD	>3 OD	>6 OD
5'-Fluorophor	3'-Quencher			
6-FAM, HEX, TET	Dabcyl	235,00 €	300,00 €	500,00 €
TAMRA	Dabcyl	235,00 €	300,00 €	500,00 €
6-FAM, HEX, TET	BHQ-1	235,00 €	300,00 €	500,00 €
Yakima Yellow	BHQ-1	235,00 €	340,00 €	590,00 €
Cy3, Cy5	BHQ-2	235,00 €	300,00 €	500,00 €
TAMRA, ROX, Texas Red®	BHQ-2	235,00 €	300,00 €	500,00 €
Yakima Yellow	BBQ-650	235,00 €	340,00 €	590,00 €

Oligonucleotide-HRP conjugate (Horseradish Peroxidase conjugate)

Prices include DNA oligonucleotides up to 30 bases, conjugation and purification of conjugate by PAGE.

		S	M	L
Guaranteed Yield		>1 OD	>2 OD	>4 OD
Price per Conjugate		240,00 €	400,00 €	650,00 €

Additional services

Oligonucleotides in 1,5 ml Tubes

Concentration Adjustment from 50 - 500 µM per Oligo 1,00 €
Additional Aliquots per Aliquot 1,00 €

Oligonucleotides in Deepwell Plates (for more than 50 Oligos)

Concentration Adjustment from 50 - 500 µM per Oligo 1,00 €
96-Deepwell plates, type A free
96-Deepwell plates, type B free

type A: plate is sealed with puncturable foil

type B: plate is sealed with non-puncturable, removable foil

Additional Information on our DNA Synthesis Service

Ordering	Web: http://www.biomers.net e-mail: order@biomers.net fax: +49-(0)731-70396-11 For fax orders an additional fee of 0,20 € per base will be charged
Delivery	Standard Oligonucleotides are shipped within 1 - 2 working days. Standard shipment via UPS within Germany 4,90 € for orders below a value of 125,00 € Shipment via UPS Express Saver within Germany: 8,90 € For other countries please inquire.
Customer Support	biomers.net GmbH Söflinger Str. 100 D-89077 Ulm Germany phone: +49-(0)731-70396-0 fax: +49-(0)731-70396-11 e-mail: info@biomers.net

Trademarks and Licenses

Cy3 and Cy5 are registered trademarks of Amersham Biosciences Corp. The purchase of these Products includes a limited non-exclusive sublicense under U.S. Patent Nos. 5 556 959 and 5 808 044 and foreign equivalent patents and other foreign and U.S. counterpart applications to use the amidites in the Product to perform research. No other license is granted expressly, impliedly or by estoppel. Use of the Product for commercial purposes is strictly prohibited without written permission from Amersham Biosciences Corp.

Rhodamin 6G®, Texas Red®, Pacific Blue®, Marina Blue® are trademarks of Molecular Probes, Inc.. Oligonucleotides labeled with these dyes are provided under license from Molecular Probes, Inc., for research use only, and are covered by pending and issued patents.

Black Hole Quencher BHQ-1 and BHQ-2 are registered trademarks of Biosearch Technologies, Inc., Novato, CA. The BHQ technology is licensed and sold under agreement with Biosearch and these products are sold exclusively for R&D use by the purchaser. They may not be used for clinical or diagnostic purposes and they may not be re-sold, distributed or re-packaged.

Molecular Beacon Probes are sold under license from the Public Health Research Institute. They may be used under PHRI Patent Rights only for the purchaser's research and development activities.

Scorpions®-Probes are produced with a licence from DxS.

Yakima Yellow is a registered trademark of Epoch Biosciences, Inc. Oligonucleotides labeled with Yakima Yellow are for research purposes only, and may not be used for commercial, clinical, diagnostic or any other use. Such oligonucleotides are subject to proprietary rights of Epoch Biosciences, Inc. and are made and sold under license from Epoch Biosciences, Inc. For commercial use of such oligonucleotides a license must be obtained directly from Epoch Biosciences, Inc.