

Section 5B

Boehringer Mannheim Product Ordering Guide

The first part of this guide lists the products mentioned in Chapters 2–4. They are organized according to technique. The second part of this guide lists related products for gene expression.

Epitope tagging products

This product list contains only a few of the most relevant products for epitope tagging. For a complete product list and prices, please refer to the current *Boehringer Mannheim Biochemicals Catalog* or contact your *Boehringer Mannheim representative*.

Products for analysis and purification of epitope-tagged proteins	Pack size	Cat. No.
Anti-HA		
lyophilized, unconjugated	200 µg	1 583 816
in solution, unconjugated	5 mg	1 666 606
biotin	100 µg	1 666 851
fluorescein	100 µg	1 666 878
rhodamine	100 µg	1 666 959
peroxidase	50 µg	1 667 475
HA peptide	5 mg	1 666 975
Anti-VSV-G		
lyophilized, unconjugated	200 µg	1 667 351
in solution, unconjugated	5 mg	1 667 360
peroxidase*	50 µg	1 814 133
VSV-G peptide	5 mg	1 667 432
Anti-c-myc		
lyophilized, unconjugated	200 µg	1 667 149
in solution, unconjugated	5 mg	1 667 203
peroxidase*	50 µg	1 814 150
c-myc peptide	5 mg	1 667 246

*Available, mid-1996

Products for molecular tagging	Pack size	Cat. No.
Taq DNA polymerase [†]		
(5 units/µl)	100 units	1 146 165
(includes PCR reaction buffer)	500 units	1 146 173
	4 x 250 units	1 418 432
	10 x 250 units	1 596 594
(1 unit/µl)	250 units	1 647 679
	4 x 250 units	1 647 687
Tth DNA polymerase [†]	100 units	1 480 014
(includes PCR reaction buffer)	2 x 250 units	1 480 022
Pwo DNA Polymerase [†]	100 units	1 644 947
(includes PCR reaction buffer)	2 x 250 units	1 644 955
Expand™ High Fidelity PCR System [†]	40 reactions	1 732 641
	200 reactions	1 732 650
	1000 reactions	1 759 078
Expand™ Long Template PCR System [†]	100 units	1 681 834
	2 x 250 units	1 681 842
	10 x 250 units	1 759 060
PCR Buffer Set [†]	2 x 1 ml of each solution	1 699 121
PCR Nucleotide Mix [†]	100 reactions	1 581 295
Thin-walled PCR tubes [†]	1000 (200 µl)	1 667 041
	1000 (500 µl)	1 667 050
8-strip PCR tubes and caps [†]	125 strips (200 µl)	1 667 009
12-strip PCR tubes and caps [†]	80 strips (200 µl)	1 667 017
High Pure PCR Product Purification Kit [†]	50 purifications	1 732 668
PCR Clean Up Kit [†]	100 purifications	1 696 513
	250 purifications	1 732 676
Restriction Mate software for Windows [™]	1 diskette	1 814 117
software for Macintosh [™]	1 diskette	1 629 891
T4 polynucleotide kinase	200 units	709 557
	1000 units	838 292
Alkaline phosphatase		
1 unit/µl	1000 units	713 023
20 units/µl	1000 units	1 097 075
T4 DNA ligase		
1 unit/µl	100 units	481 220
	500 units	716 359
5 units/µl	500 units	799 009

[†] These products are sold under licensing arrangements with Roche Molecular Systems and the Perkin-Elmer Corporation. Purchase of these products is accompanied by a license to use them in the Polymerase Chain Reaction (PCR) process in conjunction with an Authorized Thermal Cycler. For complete license disclaimer, see page iv.

Products for Western blotting	Pack size	Cat. No.
PVDF membranes	10 sheets (15 x15 cm each)	1 722 034
	1 roll (26.5 cm x 3.75 m)	1 722 026
PBS buffer, 10x (Buffer in a Box™)	4 liters	1 666 789
Tween® 20	5 x 10 ml	1 332 465
BM Chemiluminescence Western Blotting Substrate (POD)	for 1000 cm ² membrane	1 500 708
	for 4000 cm ² membrane	1 500 694
Anti-Mouse Ig-POD	150 U	1 317 377
Anti-Mouse Ig-POD, Fab fragments	40 U	1 172 808
Anti-Mouse IgG-POD, Fab fragments	120 U	1 500 686
Anti-Mouse Ig-AP, Fab fragments	250 U (1 ml)	1 198 661
Goat Anti-Mouse IgG (H&L)-peroxidase [†]	1 ml	605 250
Goat Anti-Mouse IgG (H&L), F(ab') ₂ -peroxidase [†]	1 ml	605 30
Goat Anti-Mouse IgG (H&L)-alkaline phosphatase [†]	1 ml	605 260
Goat Anti-Mouse IgG (H&L), F(ab') ₂ - alkaline phosphatase [†]	1 ml	605 31
Streptavidin-POD	500 U	1 089 153
CSPD® chemiluminescent phosphatase substrate, concentrate	1 ml	1 655 884
CSPD®, ready to use	2 x 50 ml	1 755 633
CDP-Star™ chemiluminescent phosphatase substrate	1 ml	1 685 627
Lumi-Film X-ray film	100 sheets (8" x 10")	1 666 657
	100 sheets (35 cm x 43 cm)	1 666 711
BM Tetra peroxidase substrate, precipitating	200 mg	1 544 845
BM Blue peroxidase substrate, precipitating, ready-to-use	100 ml	1 442 066
BM Purple phosphatase substrate, precipitating, ready-to-use	100 ml	1 442 074

[†] Available only in the U.S.

Products for Western blotting (cont)	Pack size	Cat. No.
Acrylamide/Bis-acrylamide, premixed (19:1) [†]	100 g	100 150
Dithiothreitol (DTT)	2 g	197 777
	10 g	708 984
	25 g	1 583 786
	50 g	708 992
	100 g	709 000
EDTA	250 g	808 261
	500 g	808 270
	1 kg	808 288
Tris base	100 g	127 434
	100 g [†]	604 200
	500 g	708 968
	500 g [†]	604 203
	1 kg	708 976
	1 kg [†]	604 205
TEMED [†]	50 g	100 139
Glycine [†]	250 g	100 148
	1 kg	100 149
	5 kg	100 191
Sodium Dodecyl Sulfate (SDS)	100 g	1 028 685
	500 g	1 028 693
Silver Stain Kit	for 20 gels	1 373 706
Coomassie® Blue G-250 [†]	25 g	100 873
Coomassie® Blue R-250 [†]	25 g	100 871

Kits for Western blotting	Pack size	Cat. No.
BM Chemiluminescence Western Blotting Kit	for 2000 cm ² membrane	1 520 709
BM Chromogenic Western Blotting Kit (AP)	for 2000 cm ² membrane	1 647 644
GST-Western Blotting Kit, chemiluminescent	for 2000 cm ² membrane (tray) or 12500 cm ² membrane (transparent plastic bag)	1 779 834

Products for immuno-fluorescence detection	Pack size	Cat. No.
Goat Anti-Mouse IgG (H&L), F(ab') ₂ -fluorescein [†]	1 ml	605 29
Sheep Anti-Mouse Ig-Fluorescein, F(ab') ₂ fragment	200 µg	1 214 616
Goat Anti-Mouse Ig (H&L), F(ab') ₂ -rhodamine [†]	1 ml	605 150
Sheep Anti-Mouse Ig-Rhodamine	200 µg	1 214 594
Goat Anti-Mouse IgG-fluorescein [†]	1 ml	100 813
Goat Anti-Mouse IgG-phycoerythrin [†]	1 ml	100 819
Goat Anti-Mouse IgG (H&L)-rhodamine [†]	1 ml	605 140
Goat Anti-Mouse IgG ₁ -fluorescein [†]	1 ml	100 823
Goat Anti-Mouse IgG _{2a} -fluorescein [†]	1 ml	100 833
Goat Anti-Mouse IgG _{2b} -fluorescein [†]	1 ml	100 843
Goat Anti-Mouse IgG ₃ -fluorescein [†]	1 ml	100 849
Goat Anti-Mouse IgG ₁ -phycoerythrin [†]	1 ml	100 829
Goat Anti-Mouse IgG _{2a} -phycoerythrin [†]	1 ml	100 839
Goat Anti-Mouse IgG _{2b} -phycoerythrin [†]	1 ml	100 845
Goat Anti-Mouse IgG ₃ -phycoerythrin [†]	1 ml	100 855
Goat Anti-Mouse IgM, F(ab') ₂ -fluorescein [†]	1 ml	100 807
Streptavidin-fluorescein	1 mg	1 055 097
Streptavidin-Sulforhodamine 101	1 mg	1 131 575
Tris base	100 g 100 g [†] 500 g 500 g [†] 1 kg 1 kg [†]	127 434 604 200 708 968 604 203 708 976 604 205
EDTA	250 g 500 g 1 kg	808 261 808 270 808 288
PBS buffer, 10x (Buffer in a Box)	4 liters	1 666 789
Tween® 20	5 x 10 ml	1 332 465
Bovine Serum Albumin (BSA), highest quality	1 g 10 g	238 031 238 040
Bovine Serum Albumin (BSA) Fraction V, heat shock, fatty acid free	10 g 100 g	100 062 100 069

[†] Available only in the U.S.

Products for affinity chromatography	Pack size	Cat. No.
Protein A-agarose	2 ml 5 ml	1 719 408 1 134 515
Protein G-agarose	2 ml 5 ml	1 719 416 1 243 233
POROS® A/M	4.6 x 100 mm 10 x 100 mm	1 769 952 1 769 979
POROS® A/P	4.6 x 50 mm 10 x 100 mm	1 769 987 1 769 995
POROS® 20 A bulk	10 ml 25 ml 125 ml	1 770 993 1 771 019 1 771 027
Self Pack POROS® 20 A	for two 4.6 x 50 mm columns or one 4.6 x 100 mm columns for six 4.6 x 50 mm columns or three 4.6 x 100 mm columns	1 770 306 1 771 647
POROS® 50 A	10 x 50 mm	1 770 608
POROS® 50 A bulk	10 ml 25 ml 125 ml	1 771 035 1 771 043 1 771 051
POROS® G/M	4.6 x 100 mm 10 x 100 mm	1 770 004 1 770 012
POROS® G/P	4.6 x 50 mm 10 x 100 mm	1 770 039 1 770 047
Self Pack POROS® 20 G	for two 4.6 x 50 mm columns or one 4.6 x 100 mm columns for six 4.6 x 50 mm columns or three 4.6 x 100 mm columns	1 770 314 1 771 655
POROS® 20 AL (Aldehyde) resin	50 ml 125 ml	1 771 108 1 771 116
Self Pack POROS® 20 AL	for two 4.6 x 50 mm columns or one 4.6 x 100 mm columns for six 4.6 x 50 mm columns or three 4.6 x 100 mm columns	1 770 349 1 771 698
POROS® 20 EP (Epoxy) resin	50 ml 125 ml	1 771 124 1 771 132
Self Pack POROS® 20 EP	for two 4.6 x 50 mm columns or one 4.6 x 100 mm columns for six 4.6 x 50 mm columns or three 4.6 x 100 mm columns	1 770 357 1 771 701
POROS® 50 EP bulk	50 ml 125 ml	1 771 159 1 771 167
POROS® 20 NH (Primary amine) resin	50 ml 125 ml	1 771 175 1 771 183

Products for affinity chromatography (cont)	Pack size	Cat. No.
Self Pack POROS® 20 NH	for two 4.6 x 50 mm columns or one 4.6 x 100 mm columns	1 770 373
	for six 4.6 x 50 mm columns or three 4.6 x 100 mm columns	1 771 728
POROS® 20 HY (Hydrazide) resin	50 ml 125 ml	1 771 191 1 771 205
Self Pack POROS® 20 HY	for two 4.6 x 50 mm columns or one 4.6 x 100 mm columns	1 770 381
	for six 4.6 x 50 mm columns or three 4.6 x 100 mm columns	1 771 736
POROS® 20 OH (Hydroxyl) resin	50 ml 125 ml	1 771 213 1 771 221
Self Pack POROS® 20 OH	for two 4.6 x 50 mm columns or one 4.6 x 100 mm columns	1 770 365
	for six 4.6 x 50 mm columns or three 4.6 x 100 mm columns	1 771 744
POROS® 50 OH bulk	50 ml 250 ml	1 771 230 1 771 248
POROS® Self Pack® Activated Affinity Method Investigation Kit (Contains samples of AL, EP, OH, NH, HY)	1 kit	1770 497

Products for affinity chromatography (cont)	Pack size	Cat. No.
POROS® Self Pack Activated Affinity Method Investigation Kit	1 kit	1 770 497
Restriction Protease Factor Xa	3 x 30 µg 3 x 100 µg	1 179 888 1 585 924
for cleaving the amino acid sequence -Ile-Glu-Gly-Arg-↓-X	3 x 250 µg	1 179 896
Restriction Protease Factor Xa Cleavage and Removal Kit	kit I kit II	1 644 777 1 644 785
for freeing specific sequences from fusion proteins		
Glycine†	250 g 1 kg 5 kg	100 148 100 149 100 191
Protein Assay ESL	1 kit (500 assays) 1 kit (125 assays)	1 767 003 1 767 283
Sodium Dodecyl Sulfate (SDS)	100 g 500 g	1 028 685 1 028 693
Triethanolamine hydrochloride	250 g	127 426
Tris base	100 g 100 g† 500 g 500 g† 1 kg 1 kg†	127 434 604 200 708 968 604 203 708 976 604 205
Urea, EP-MB grade	1 kg 5 kg	1 685 899 1 685 902
Guanidine hydrochloride	500 g	1 492 942

Products for immunoprecipitation	Pack size	Cat. No.
Immunoprecipitation Kit (Protein A)	20 reactions	1 719 394
Immunoprecipitation Kit (Protein G)	20 reactions	1 719 386
Cellular Labeling and Immunoprecipitation Kit	1 kit	1 647 652
Protein A-agarose	2 ml	1 719 408
	5 ml	1 134 515
Protein G-agarose	2 ml	1 719 416
	5 ml	1 243 233
EDTA	250 g	808 261
	500 g	808 270
	1 kg	808 288
Nonidet® P40 (NP40)	10% solution	5 x 10 ml
	100% solution	100 ml
PBS buffer, 10x (Buffer in a Box™)	4 liters	1 666 789
POROS-based Protein A/G	1 vial	1 771 370
POROS® 20 A	10 ml	1 770 993
	25 ml	1 771 019
	125 ml	1 771 027
Self Pack POROS® 20 A	for two 4.6 x 50 mm columns or one 4.6 x 100 mm columns	1 770 306
	for six 4.6 x 50 mm columns or three 4.6 x 100 mm columns	1 771 647
POROS® 50 A	10 ml	1 771 035
	25 ml	1 771 043
	125 ml	1 771 051
Self Pack POROS® 20 G	for two 4.6 x 50 mm columns or one 4.6 x 100 mm columns	1 770 314
	for six 4.6 x 50 mm columns or three 4.6 x 100 mm columns	1 771 655
Protein A-positive <i>Staphylococcus aureus</i> cells[‡]	1 g	100 061
Sodium deoxycholate (Deoxycholic acid)	5 g	1 332 597
Sodium Dodecyl Sulfate (SDS)	100 g	1 028 685
	500 g	1 028 693
Tris base	100 g	127 434
	100 g [‡]	604 200
	500 g	708 968
	500 g [‡]	604 203
	1 kg	708 976
	1 kg [‡]	604 205

[‡] Available only in the U.S.

Laboratory reagents for all procedures	Pack size	Cat. No.
Acrylamide, ultrapure	500 g	1 685 791
Acrylamide/Bis-acrylamide, premixed (19:1)[‡]	100 g	100 150
Acrylamide/Bis-acrylamide, premixed (29:1)[‡]	100 g	100 151
Acrylamide/Bis-acrylamide, premixed (37.5:1)[‡]	100 g	100 153
Acrylamide/Bis-acrylamide Protein Gel Mix	500 ml	1 685 821
APMSF	10 mg	917 575
Aprotinin	10 mg	236 624
	50 mg	981 532
Bis-acrylamide	25 g	1 685 830
Complete™ Protease Inhibitor Cocktail Tablets	20 tablets (for 50 ml each)	1 697 498
Coomassie® Blue G-250[‡]	25 g	100 873
Coomassie® Blue R-250[‡]	25 g	100 871
Dithiothreitol (DTT)	2 g	197 777
	10 g	708 984
	25 g	1 583 786
	50 g	708 992
	100 g	709 000
EDTA	250 g	808 261
	500 g	808 270
	1 kg	808 288
Hepes buffer	100 g	223 778
	500 g	737 151
	1 kg	242 608
Leupeptin	5 mg	1 017 101
	25 mg	1 017 128
	50 mg	1 034 626
	100 mg	1 529 048
Micr-O-protect™ biocide/preservative	10 ml	1 585 720
Nonidet® P40 (NP40)	10% solution	5 x 10 ml
	100% solution	100 ml
PAGE I™ liquid acrylamide[‡]	500 ml	100 670
PAGE I™ liquid bis-acrylamide[‡]	500 ml	100 675
PAGE I™ Sequencing Gel Mix[‡]	500 ml	100 693
PBS buffer, 10x (Buffer in a Box™)	4 liters	1 666 789
Pefabloc® SC (AEBSF)	100 mg	1 429 868
	500 mg	1 585 916
	1 g	1 429 876
Pepstatin	2 mg	253 286
	10 mg	1 359 053
	50 mg	1 524 488
PMSF (Phenylmethylsulfonyl fluoride)	1 g	236 608
	10 g	837 091
	25 g	1 359 061
Protein Assay ESL	1 kit (500 assays)	1 767 003
	1 kit (125 assays)	1 767 283

Laboratory reagents for all procedures (cont)	Pack size	Cat. No.
Silver Stain Kit	for 20 gels	1 373 706
Sodium Dodecyl Sulfate (SDS) 20% (w/v) ready-to-use solution	100 g	1 028 685
	500 g	1 028 693
	100 ml [‡]	1 358 995
	500 ml [‡]	1 666 924
	2 L [‡]	1 666 991
Sodium deoxycholate (Deoxycholic acid)	5 g	1 332 597
TBE™ buffer, 10x (Buffer in a Box™)	4 liters	1 666 703
TEMED[‡]	50 g	100 139
Tris base	100 g	127 434
	100 g [‡]	604 200
	500 g	708 968
	500 g [‡]	604 203
	1 kg	708 976
	1 kg [‡]	604 205
Tris HCl	100 g	812 838
	500 g	812 846
	1 kg	812 854
Triton® X-100	100 ml	789 704
Tween® 20	5 x 10 ml	1 332 465

Related products for gene expression

Transfection reagents	Pack size	Cat. No.
DOSPER Liposomal Transfection Reagent***	2 ml (5 x 400 µl)	1 781 995
	400 µl	1 811 169
DOTAP Liposomal Transfection Reagent	2 ml (5 x 400 µl)	1 202 375
	400 µl	1 811 177

Reporter gene ELISAs	Pack size	Cat. No.
β-Gal ELISA	192 tests	1 539 426
CAT ELISA	192 tests	1 363 727
hGH ELISA	192 tests	1 585 878
Anti-CAT-Coated Microtiter Plates, transparent	192 tests	1 465 074
Anti-CAT-Coated Microtiter Plates, black	192 tests	1 722 751
Anti-CAT-Coated Tubes	100 tests	1 722 760
Anti-CAT-Digoxigenin (Anti-CAT-DIG)	2 x 100 µg	1 465 066
CAT Enzyme	approx. 50 ng	1 485 156
Anti-Digoxigenin-POD, Fab fragments	150 U	1 207 733
Anti-Digoxigenin-AP, Fab fragments	150 U (200 µl)	1 093 274
ABTS® Solution, ready-to-use	100 ml	1 682 008
	3 x 100 ml	1 684 302
POD Substrate Enhancer	150 mg	1 492 586
AttoPhos™ Substrate Set for 1800 wells or 720 tubes		1 681 982
BM Chemiluminescence ELISA Substrate (POD)	for 2500 wells or 1000 tubes	1 582 950
Conjugate Buffer, universal	100 ml	1 684 825

*** Patent Pending

Reporter gene enzymatic assays	Pack size	Cat. No.
β-Gal Reporter Gene Assay, chemiluminescent	500 tests (MTP format) or 250 tests (tube format)	1 758 241
Luciferase Reporter Gene Assay	200 tests	1669 893
SEAP Reporter Gene Assay, chemiluminescent †	500 tests (MTP format) or 250 tests (tube format)	1 779 842
BM Chemiluminescence ELISA Substrate (AP)	for 1000 ELISA tests or 600 SEAP tests	1 759 779
BM Chemiluminescence Substrate (β-Gal)	150 ml (1000 assays)	1 759 787
Luciferase for luminometric quantification	1 mg 5 mg	411 523 634 409
D-(-)-Luciferin for luminometric quantification	10 mg	411 400

Selection antibiotics	Pack size	Cat. No.
Hygromycin B	1 g	843 555
Geneticin® (G 418)	250 mg 1 g 5 g	1 464 973 1 464 981 1 464 990
Mycophenolic acid, non-sterile	500 mg	1 495 933

† Available in mid 1996. In the interim, the SEAP reporter gene assay can be performed with the BM Chemiluminescence ELISA Substrate (AP).

Literature	Pack size	Cat. No.
An Introduction to Perfusion Chromatography®	1 book	1 630 148
Boehringer Mannheim PCR Applications Manual	1 book	Inquire
Expand™ PCR System Brochure	1 book	1 629 760
Products for PCR	1 book	Inquire
Protease Inhibitors Technical Guide	1 book	1 156 144
Restriction Enzyme Guide		Inquire