

*PCR

Bioneer's Taq DNA Polymerase is completely inhibited by pyrophosphate at temperatures below 70°C. However, Taq DNA polymerase becomes fully active at temperatures above 70°C via pyrophosphate hydrolysis with a thermostable pyrophosphatase. This prevents the formation of misprimed products, as well as primer-dimers, during the reaction set up process resulting in improved specificity.

-Enzymes for everyday PCR

Features and Benefits

Fast: More than three times more processive than standard *Taq* DNA Polymerase!

High performance: Amplifies fragments up to 10 kb!

[E-3100-1 Top DNA Polymerase 500 units, 10 mM dNTPs, 10 X reaction buffer, 20 mM MgCl₂](#) – 167 €

[E-3100-2 Top DNA Polymerase 500 units, 10 X reaction buffer with MgCl₂](#) – 135 €

[E-3101-1 Top DNA Polymerase 2000 units, 10 mM dNTPs, 10 X reaction buffer, 20 mM MgCl₂](#) –460€

[E-3101-2 Top DNA Polymerase 2000 units, 10 X reaction buffer with MgCl₂](#) – 345 €

-For cDNA Synthesis, RT-PCR, and qRT-PCR

Features and Benefits

Optimized 5X buffer: For more full length fragments - within 10 minutes!

Full length cDNA: For genes up to 9 kb!

RNase, DNase and Proteinase-free: Ensures the integrity of your samples!

[E-3121 M-MLV Reverse Transcriptase, 10,000 U, 5 X Reaction Buffer, 0.5 mL, 100 mM DTT, 0.3 mL, 10mM dNTPs mixture solution 0.2ml](#) – 128 €

[E-3122 M-MLV Reverse Transcriptase, 50,000 U, 5 X Reaction Buffer, 2.5 mL, 100 mM DTT, 1.5 mL, 10mM dNTPs mixture solution 1ml](#) – 323 €

-For ligation of DNA, TA cloning and other recombinant DNA applications – T4 DNA Ligase

T4 DNA Ligase catalyzes the formation of a phosphodiester bond between 5' phosphate and 3' hydroxyl termini in duplex DNA or RNA. This enzyme will ligate DNA from blunt-end and cohesive-end termini (Including sticky ends for TA Cloning) as well as repair single stranded nicks in duplex DNA, RNA, or DNA/RNA hybrids.

[E-3061 T4 DNA Ligase, 20,000 U](#) – 90 €

[E-3062 T4 DNA Ligase, 100,000 U\(5 x 20,000 U\)](#) – 210 €

T7 RNA Polymerase

A DNA dependent RNA polymerase with a highly specificity for the initiation of transcription at T7 RNA polymerase promoters. It is widely used for the rapid synthesis in vitro of specific RNAs.

[E-3041 T7 RNA Polymerase, 2,000 U](#) – 90 €

[E-3042 T7 RNA Polymerase, 10,000 U\(5 x 2,000 U\)](#) – 189 €

*DNA Labeling

These Nick Translation Labeling Kits contain all reagents required for nick translation labeling providing a highly efficient, easy-to-perform and rapid labeling technology.

[PP-305S-647N Atto647N NT Labeling Kit, S pack Red fluorescent DNA labeling by nick translation](#) – 135 €

[PP-305S-590 Atto590 NT Labeling Kit, S pack Orange fluorescent DNA labeling by nick translation](#) – 135 €

PP-305S-550 Atto550 NT Labeling Kit, S pack Yellow fluorescent DNA labeling by nick translation – 135 €

PP-305S-488 Atto488 NT Labeling Kit, S pack Green fluorescent DNA labeling by nick translation – 135 €

These PCR Labeling Master contains all reagents required for PCR labeling in a premixed 2x concentrated ready-to-use solution.

PP-307S-TXR TexasRed PCR Labeling Master, S pack Orange fluorescent DNA labeling by PCR – 117 €

PP-307S-488 Atto488 PCR Labeling Master, S pack Green fluorescent DNA labeling by PCR – 135 €

PP-301S-425 Atto425 PCR Labeling Kit, S pack Blue-green fluorescent DNA labeling by PCR – 135 €

***DNA DYES**

31000 EvaGreen® dye, 20X in water – 278 €

EvaGreen® dye is a green fluorescent nucleic acid dye with features that make the dye useful for several applications including qPCR and DNA melt curve analysis, real-time monitoring of thermophilic helicase-dependent amplification (tHDA), routine solution DNA quantification and capillary gel electrophoresis

31003-1 Fast EvaGreen® qPCR Master Mix – 408 €

Fast EvaGreen® qPCR Master Mix is a PCR reagent suitable for qPCR using a fast cycling protocol

41005 GelGreen Nucleic Acid Stain, 10,000X in water – 180 €

41004 GelGreen™ Nucleic Acid Gel Stain, 10,000X in DMSO – 180 €

GelGreen™ is an ultra sensitive, stable and environmentally safe green fluorescent nucleic acid dye designed to stain either dsDNA, ssDNA or RNA in agarose gels.

41003 GelRed™ Nucleic Acid Gel Stain, 10,000X in water – 180 €

41002 GelRed™ Nucleic Acid Gel Stain, 10,000X in DMSO – 180 €

GelRed™ is an ultra sensitive, extremely stable and environmentally safe fluorescent nucleic acid dye designed to replace the highly toxic ethidium bromide

G108-G SafeGreen – 66 €

G108-W SafeWhite – 66 €

G108-R SafeRed – 66 €

G108-P SafeColour Pack (G+W+R) – 86 €

SafeView™ products represent a new and safe class of nucleic acid stains for the visualization of double-stranded DNA, single-stranded DNA, and RNA in agarose gels.

Immunohistochemistry

Does xylene make you sick? You can easily get rid of it and actually improve your results:

HS-200-1GAL HISTOCLEAR – 95 €

HS-200-5GAL HISTOCLEAR – 299 €

Histo-Clear leaves tissue less hard and brittle than xylene, facilitating the cutting of thin sections and prolonging microtome blade life.

Formaldehyde?! No, thanks! We have better:

SL.FSOLV.05 F-SOLV10 – 75 €

F-solv10 contains no hazardous products and the obtained result is equal to better than a fixation with formaldehyde. (F-solv10 replaces the formaldehyde 4%). F-solv10 does not irritate eyes, throat and nose.

102164 REASTAIN Quick-Diff KIT – 150 €

REASTAIN Quick-Diff is an optimised colour and fixative composition for the differential

staining of cellular elements in peripheral blood smears. Fast 3-minute staining procedure and ready-to-use solutions

KA1330 Lysosome Cytotoxicity Dual Staining Kit – 329 €

This Kit provides a convenient tool for studying lysosome function at the cellular level. The kit employs a membrane permeable substance, which reacts with carboxylic acids in the acidic luminal environment of lysosomes, as a probe for the detection of lysosomes in cultured cells.

10-0001 Primary Antibody Diluent – 141 €

This product is intended for use with mouse and/or rabbit primary antibodies to dilute the antibody to a lower concentration.

10-0020 Citrate Buffer pH 6 (20X) – 97 €

This product is intended to be used for the heat induced epitope (or antigen) retrieval (HIER) of formalin-fixed, paraffin-embedded (FFPE) tissues prior to immunohistochemical (IHC) staining.

10-0033 GVA Mounting Solution – 82 €

The Glycerol Vinyl Alcohol (GVA) Aqueous Mounting Solution is an aqueous, histologic mounting medium and is suitable for tissue specimens and cell smears for viewing by light or fluorescence microscopy.

10-0037 Tris EDTA Buffer pH 9 (20X) – 108 €

Tris EDTA Buffer, pH 9 is designed to break the protein cross-links, thus unmasking the antigens and epitopes in FFPE tissue sections and enhancing staining intensity of many antibodies.

10-0041 Mini PAP Pen – 109 €

10-0045 Super PAP Pen – 141 €

During IHC staining, it is necessary to wipe off the liquid around the sections to reduce dilution of the next reagent applied on the specimen. This is a time-consuming and tedious process. This drawback can be avoided when using PAP pen.

10-0044 PBS Powder (10X) – 105 €

PBS is used to prepare buffered saline solution which is required in many immunohistochemistry (IHC) and In Situ Hybridization (ISH) staining procedures.

10-0048 Sensitive DAB Substrate Kit – 127 €

Intended for use during IHC staining procedures on tissue sections when HRP is used as the enzyme. Upon addition to the antibody-HRP complex, DAB forms a brown precipitate at the antigen location. The staining location and pattern is easily observable by light microscopy.

PROTEIN RESEARCH

***Protein Staining**

ISB1L InstantBlue - 149 €

Specially formulated for ultra-fast, sensitive and safe detection of proteins, staining takes minutes without the need to wash, fix, microwave or destain.

300-692-500 DyeHard Protein Staining solution - 500ml – 114 €

Available in blue, green and red colours, these protein stains can detect a minimum 1-3ng of protein per square millimetre of gel.

PS-106S Brilliant Coomassie Stain (5x concentrate) – 48 €

Specifically binds to proteins and only to a minor amount to the gel matrix, making a destaining step in most cases unnecessary. Does not contain methanol or acetic acid - non-toxic and odourless.

*Protein Labeling

FP-201-550 Atto 550 Protein Labeling Kit – 375 €

This Labeling Kit is designed **for labeling the lysines** with a small fluorophore resulting in a fluorescent protein fluorophore conjugate.

FP-202-425 Atto 425 Protein Labeling Kit – 466 €

This Protein Labeling Kit is designed **for labeling the cysteines** with a small fluorophore resulting in a fluorescent protein fluorophore conjugate.

FP-202-488 Atto 488 Protein Labeling Kit – 466 €

This Protein Labeling Kit is designed **for labeling the cysteines** of a POI with a small fluorophore resulting in a fluorescent protein fluorophore conjugate.

FP-202-532 Atto 532 Protein Labeling Kit – 466 €

This Protein Labeling Kit is designed **for labeling the cysteines** with a small fluorophore resulting in a fluorescent protein fluorophore conjugate.

FP-201-655 Atto 655 Protein Labeling Kit – 375 €

This Protein Labeling Kit is designed **for labeling the lysines** with a small fluorophore resulting in a fluorescent protein fluorophore conjugate.

iFluor™ dyes are developed for labeling proteins, in particular, antibodies. These dyes are optimized to have minimal fluorescence quenching effect on proteins and nucleic acids.

1235 ReadiLink™ iFluor™ 647 Protein Labeling Kit (optimized for antibodies) – 125 €

Fluorescence excitation and emission maxima close to 647 nm and 660 nm respectively.

1245 ReadiLink™ iFluor™ 700 Protein Labeling Kit (optimized for antibodies) – 125 €

Fluorescence excitation and emission maxima close to 690 nm and 710 nm respectively.

1220 ReadiLink™ iFluor™ 350 Protein Labeling Kit (optimized for antibodies) – 125 €

Fluorescence excitation and emission maxima of ~350 nm and ~440 nm respectively.

1230 ReadiLink™ iFluor™ 594 Protein Labeling Kit (optimized for antibodies) – 125 €

Fluorescence excitation and emission maxima of ~590 nm and ~610 nm respectively.

Quantifying assays (PROMOTIONAL)

DIUR-500 QuantiChrom™ Urea Assay Kit – 249 €

Sensitive and accurate! Simple and high-throughput! Improved reagent stability and versatility! Low interference in biological samples!

DIHB-250 QuantiChrom™ Hemoglobin Assay Kit – 233 €

Sensitive and accurate! Simple and high-throughput! Safety! Versatility!

DLDH-100 QuantiChrom™ Lactate Dehydrogenase Kit – 207 €

High sensitivity and wide linear range! Homogeneous and simple procedure! Robust and amenable to HTS!

DICT-500 QuantiChrom™ Creatinine Assay Kit – 240 €

Sensitive and accurate! Simple and high-throughput! Improved reagent stability and versatility! Low interference in biological samples!

ECPK-100 EnzyChrom™ Creatine Kinase Assay Kit – 325 €

Sensitive and accurate! Convenient! High-throughput!

EGLN-100 EnzyChrom™ Glutamine Assay Kit – 300 EUR €

Sensitive and accurate! Convenient! High-throughput!

POMG-25H Malachite Green Phosphate Assay Kit – 148 €

Reagent - very stable! High sensitivity and wide detection range!

Fast and convenient! Compatible with routine laboratory and HTS formats!

DICA-500 QuantiChrom™ Calcium Assay Kit – 233 €

Sensitive and accurate! Simple and high-throughput! Improved reagent stability and versatility! Low interference in biological samples!

Prices are without VAT.

Orders above 650 EUR for Europe and North America are with free shipping.

You can order by fax (0032 16 50 90 45) or via e-mail.

You can pay by bank transfer or by VISA Card, Master Card or American Express.

***Baculovirus Protein Expression**

flashBAC baculovirus expression vector DNA kits

The flashBAC™ system is a new platform technology for the production of recombinant baculoviruses, genetically optimized for producing 100% recombinant virus in a single step by eliminating the need for plaque purification.

Insect cells

A range of insect cell lines that are ideal for use with the flashBAC system. SuperSf9-1 for improved expression of stable proteins, superSf9-2 for improved expression of toxic proteins, superSf9-3 for improved expression of average proteins.

500100 - baculoGROW insect cell media - € 64

A serum- and protein-free medium. The medium has been specially formulated to facilitate the growth of Spodoptera frugiperda cell lines, Drosophila S2 cells and others.

baculoFECTIN

New non-toxic transfection reagent that has been optimized for use in insect cells to produce greater levels of transfection – leading to high level protein expression.

Baculovirus expression and titration

The unique expression and titration package that harnesses the speed and power of flashBAC™ expression with the ease and rapidity of baculoQUANT™ titration.

pOET sequencing primers

The sequencing primers are used to sequence inserts cloned into the multiple cloning site of any of the pOET transfer vectors.

Transfer plasmids

A selection of transfer plasmids that allow simple cloning and facilitate homologous recombination into the flashBAC system.