

ExiProgen™ - coupled transcription/translation system for protein synthesis

(More information here: <http://pcrtechnique.com/ExiProgen-overview.html>)

ExiProgen™ is a breakthrough in synthetic biology allowing for the synthesis and purification of one to 16 proteins per run.

DNA, in the form of plasmid or linear PCR product, is added to the system and Gentaur's coupled transcription/translation E. coli extract then synthesizes the protein.

The crude protein extract is further purified, using His-Tag engineered into the proteins.

The net result is up to 100ug of >90% pure Protein in about 6 hours.

ExiProgen™ can also purify Nucleic Acids from several sources, making it one of the most versatile systems available.

And believe it or not it costs **ONLY 12500 € (without VAT)!!!**

*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.

K-2611 AccuPower® PyroHotStart Taq PCR PreMix, 0.2 ml thin-wall 8-strip tubes with attached cap, 20 ul reaction/tube, 96 tubes – 166 €

K-2612 AccuPower® PyroHotStart Taq PCR PreMix, 0.2 ml thin-wall 8-strip tubes with attached cap, 20 ul reaction/tube, 480 tubes – 398 €

K-2613 AccuPower® PyroHotStart Taq PCR PreMix, 0.2 ml thin-wall 8-strip tubes with attached cap, 50 ul reaction/tube, 96 tubes – 230 €

K-2614 AccuPower® PyroHotStart Taq PCR PreMix, 0.2 ml thin-wall 8-strip tubes with attached cap, 50 ul reaction/tube, 480 tubes – 695 €

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 €

K-2601 AccuPower® Taq PCR PreMix, 0.2 ml thin-wall 8-strip tubes with attached cap, 20 ul/reaction, 96 tubes – 154 €

K-2602 AccuPower® Taq PCR PreMix, 0.2 ml thin-wall 8-strip tubes with attached cap, 20 ul/reaction, 480 tubes – 323 €

K-2603 AccuPower® Taq PCR PreMix, 0.2 ml thin-wall 8-strip tubes with attached cap, 50 ul/reaction, 96 tubes – 207 €

K-2604 AccuPower® Taq PCR PreMix, 0.2 ml thin-wall 8-strip tubes with attached cap, 50 ul/reaction, 480 tubes – 470 €

The BULLET BLENDER® - sonication alternative

The easiest and coolest way to lyse cells and homogenize tissue.

The BULLET BLENDER® enables you to homogenize, disrupt, or lyse up to 24 tissue or cell culture samples at a time. Load the samples into standard polypropylene tubes, then place them in the BULLET BLENDER. The "bullets" in the instrument vigorously strike all of the tubes and homogenize your sample in minutes. The Bullet Blender is available with Air Cooling™ to preserve your sample quality!

The Bullet Blender is mentioned in over 150 publications!

BBY24M-CE Bullet Blender Storm. homogenizer - 3372 EUR

Our most powerful model! Perfect for tough samples such as mouse femur, tumor and skin. Faster homogenization. Up to 24 samples in snap cap microcentrifuge tubes. Air cooling

BBX24-CE Bullet Blender homogenizer – 2502 EUR

BBX24B-CE Bullet Blender homogenizer (Blue Model) – 2912 EUR

Our original Bullet Blender can homogenize up to 24 samples in microcentrifuge tubes. Ideal for samples up to 300mg. Available with air cooling (blue models).

BBX24W Bullet Blender for screw-cap microcentrifuge tubes – 2502 EUR

BBX24BW-CE Bullet Blender Blue for screw-cap microcentrifuge tubes – 2912 EUR

The Screw-Cap Bullet Blender can homogenize up to 24 samples in screw-cap microcentrifuge tubes. Ideal for samples up to 300mg. Also available with air cooling (blue models).

PROTEOMICS

Separation of proteins:

EC-890-1L ProtoGel (30 %) – 126 €

Stabilized, ready-to-use electrophoresis matrix that is ideal for the separation of proteins and polypeptides. With ProtoGel, you can trust that your results will be consistent one electrophoretic run to the next!

Protein denaturation:

EC-875-1L Denaturation Solution, 1L – 57 €

Ready-to-use buffer solution of sodium chloride and sodium hydroxide in distilled/deionized water. Especially designed for use in Southern and Northern Blotting, and in situ hybridization procedures.

Protein Buffer:

EC-887 Protein Loading Buffer Blue (2X) – 99 €

Ready-to-use buffer solution for the preparation of protein samples to be separated in SDS-polyacrylamide gel electrophoresis (SDS-PAGE).

Protein marker:

02525-35 Pre- stained Protein Markers (Broad Range) for SDS- PAGE – 200 €

Only small amount to use: high concentration of prestained proteins. Marker proteins are visible during electrophoresis. Prestained bands remain visible after the gel is stained. Color remains the same even after blotting.

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.

Immunohistochemistry

N-Histofine® Simple Stain MAX PO is a detection reagent designed specifically to allow immunohistochemical staining on formalin-fixed paraffin-embedded human tissue sections. It is the labeled polymer prepared by combining amino acid polymers with peroxidase (PO) and secondary

antibody which is reduced to Fab' fragment. To eliminate background staining, solid-phase absorption of secondary antibody is carried out with human serum.

For Human Tissue Sections

414151F [N-Histofine® Simple Stain MAX PO \(MULTI\) Slides: 170 Volume: 1x17ml](#) – 280 €

414152F [N-Histofine® Simple Stain MAX PO \(MULTI\) Slides: 500 Volume: 3x17ml](#) – 345 €

414154F [N-Histofine® Simple Stain MAX PO \(MULTI\) Slides: 1500 Volume: 9x17ml](#) – 603 €

414131F [N-Histofine® Simple Stain MAX PO \(M\) Slides: 170 Volume: 1x17ml](#) – 280 €

414132F [N-Histofine® Simple Stain MAX PO \(M\) Slides: 500 Volume: 3x17ml](#) – 361 €

414134F [N-Histofine® Simple Stain MAX PO \(M\) Slides: 1500 Volume: 9x17ml](#) – 653 €

414141F [N-Histofine® Simple Stain MAX PO \(R\) Slides: 170 Volume: 1x17ml](#) – 280 €

414142F [N-Histofine® Simple Stain MAX PO \(R\) Slides: 500 Volume: 3x17ml](#) – 361 €

414144F [N-Histofine® Simple Stain MAX PO \(R\) Slides: 1500 Volume: 9x17ml](#) – 653 €

414161F [N-Histofine® Simple Stain MAX PO \(G\) Slides: 170 Volume: 1x17ml](#) – 280 €

414162F [N-Histofine® Simple Stain MAX PO \(G\) Slides: 500 Volume: 3x17ml](#) – 361 €

For Mouse Tissue Sections

414341F [N-Histofine® Simple Stain Mouse MAX PO \(R\) Slides: 170 Volume: 1x17ml](#) – 307 €

414351F [N-Histofine® Simple Stain Mouse MAX PO \(G\) Slides: 170 Volume: 1x17ml](#) – 307 €

414311F [N-Histofine® Simple Stain Mouse MAX PO \(Rat\) Slides: 170 Volume: 1x17ml](#) – 307 €

For Rat Tissue Sections

414191F [N-Histofine® Simple Stain Rat MAX PO \(MULTI\) Slides: 170 Volume: 1x17ml](#) – 307 €

414171F [N-Histofine® Simple Stain Rat MAX PO \(M\) Slides: 170 Volume: 1x17ml](#) – 307 €

414181F [N-Histofine® Simple Stain Rat MAX PO \(R\) Slides: 170 Volume: 1x17ml](#) – 307 €

414331F [N-Histofine® Simple Stain Rat MAX PO \(G\) Slides: 170 Volume: 1x17ml](#) – 307 €

Stop poisoning yourself with Formaldehyde and Xylene! Try our new products:

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.

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.

See the lysosomes better!

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.

DNA/RNA Extraction & Purification

600 500 JETFLEX Genomic DNA Purification Kit – 259 €

Get your ready to use purified DNA sample only for 30 minutes with our high speed buffer procedure.

430 250 JETQUICK General DNA Clean Up Kit – 268 €

Applications: Fluorescent sequencing, Ligation, Labeling, In-vitro transcription, All other enzymatic reactions

210 250 JETSTAR 2.0 Plasmid Midiprep Kit 250 – 721 €

JETSTAR 2.0 Plasmid Midiprep Kit is designed to prepare ultrapure plasmid DNA with No chromosomal DNA contamination!

K2014005 Total RNA Extraction Kit – 295 €

Total RNA Extraction kit is a convenient tool for isolating high quality Total RNAs from 5 grams tissue and cells.

DNA & RNA Labeling

Labeled nucleosides, labeled nucleoside triphosphates and other reagents

GENTAUR offers [fluorescent and biotin-labeled dUTP, UTP and dCTP](#). The fluorescent dUTP and dCTP are conjugates of the nucleoside triphosphates labeled with the exceptionally bright and photostable CF dyes. The labeled nucleoside triphosphates can be incorporated into DNA or RNA using conventional enzymatic techniques.

Cat.No.	Product	Amount	Price
40004	CF405S-dUTP, lyophilized powder	25 nmol	400 €
40005	CF568-dUTP, lyophilized powder	25 nmol	400 €
40006	CF594-dUTP, lyophilized powder	25 nmol	400 €
40007	CF640R-dUTP, lyophilized powder	25 nmol	400 €
40008	CF488A-dUTP, lyophilized powder	25 nmol	400 €

Fluorescent labeling in less than two hours: Superior fluorescent nucleotides with high stability, high signal to noise ratios and high quantum yields; efficient incorporation through using T7 in vitro transcription.

Product	Ex/Em [nm]	Emission color	Yield	DOL	Cat. No.	Amount	Price
Atto 488 RNA Labeling Kit	501/523	green	2 µg	16,5	FP-220-488	10 reactions	419 €
Atto 532 RNA Labeling Kit	532/553	yellow-green	3 µg	3,3	FP-220-532	10 reactions	419 €
Atto 550 RNA Labeling Kit	554/576	yellow	1,5 µg	2,9	FP-220-550	10 reactions	419 €
Atto 647N RNA Labeling Kit	644/669	red	2 µg	1,5	FP-220-647N	10 reactions	419 €
Atto 680 RNA Labeling Kit	680/700	far-red	2,5 µg	2,2	FP-220-680	10 reactions	419 €

Flow Cytometry

45-4317-82 Streptavidin PerCP-Cy5.5 100 µg – 374 €

The streptavidin fluorochrome conjugates are commonly used in indirect staining protocols to detect biotinylated primary antibodies in flow cytometry. Streptavidin binds to biotin with high affinity

65-0880-92 DRAQ5™ 50 µL – 309 €

DRAQ5™ is an anthraquinone dye with high affinity for double-stranded DNA and can be used to distinguish nucleated and non-nucleated cells

00-4222-26 Flow Cytometry Staining Buffer 600 mL 179 €

Flow Cytometry Staining Buffer is a buffered saline solution containing fetal bovine proteins to help minimizing non-specific binding of antibodies

SPHERO™ Rainbow Calibration Particles

- Contains a mixture of fluorophores that enable the Rainbow Calibration Particles to be excited at any wavelength from 365 nm to 650 nm
- Allows the calibration of the FITC, PE, PE-TR, PE-Cy5, and APC channels in the flow cytometer with the same set of particles
- Consists of set of several similar size particles with different fluorescence intensities in a convenient dropper bottle
- Can be stored in the freezer and reused later since they can withstand repeated freezing and thawing

Catalog No.	Description	Concentration	Nominal Size	Package Size	Price
RCP-20-5	Rainbow Calibration Particles, 4 peaks	10 ⁷ /mL	1.8-2.2 μm	5 mL	255 €
RCP-30-5	Rainbow Calibration Particles, 6 peaks	10 ⁷ /mL	3.0-3.4 μm	5 mL	273 €
RCP-30-5A	Rainbow Calibration Particles, 8 peaks	10 ⁷ /mL	3.0-3.4 μm	5 mL	273 €
RCP-32-5	Rainbow Calibration Particles, 6 peaks	10 ⁷ /mL	3.2 (+/- 0.1) μm	5 mL	273 €
RCP-35-5	Rainbow Calibration Particles, 4 peaks	10 ⁷ /mL	3.5-4.0 μm	5 mL	273 €
RCP-60-5	Rainbow Calibration Particles, 6 peaks	10 ⁷ /mL	6.0-6.4 μm	5 mL	273 €