

A vibrant background image showing a large tree with pink blossoms against a bright blue sky with scattered white clouds. The image is framed by a dark blue curved border at the top and bottom.

Spring/Summer Promotion

Please reference MSCQ32017€ to avail of offers.

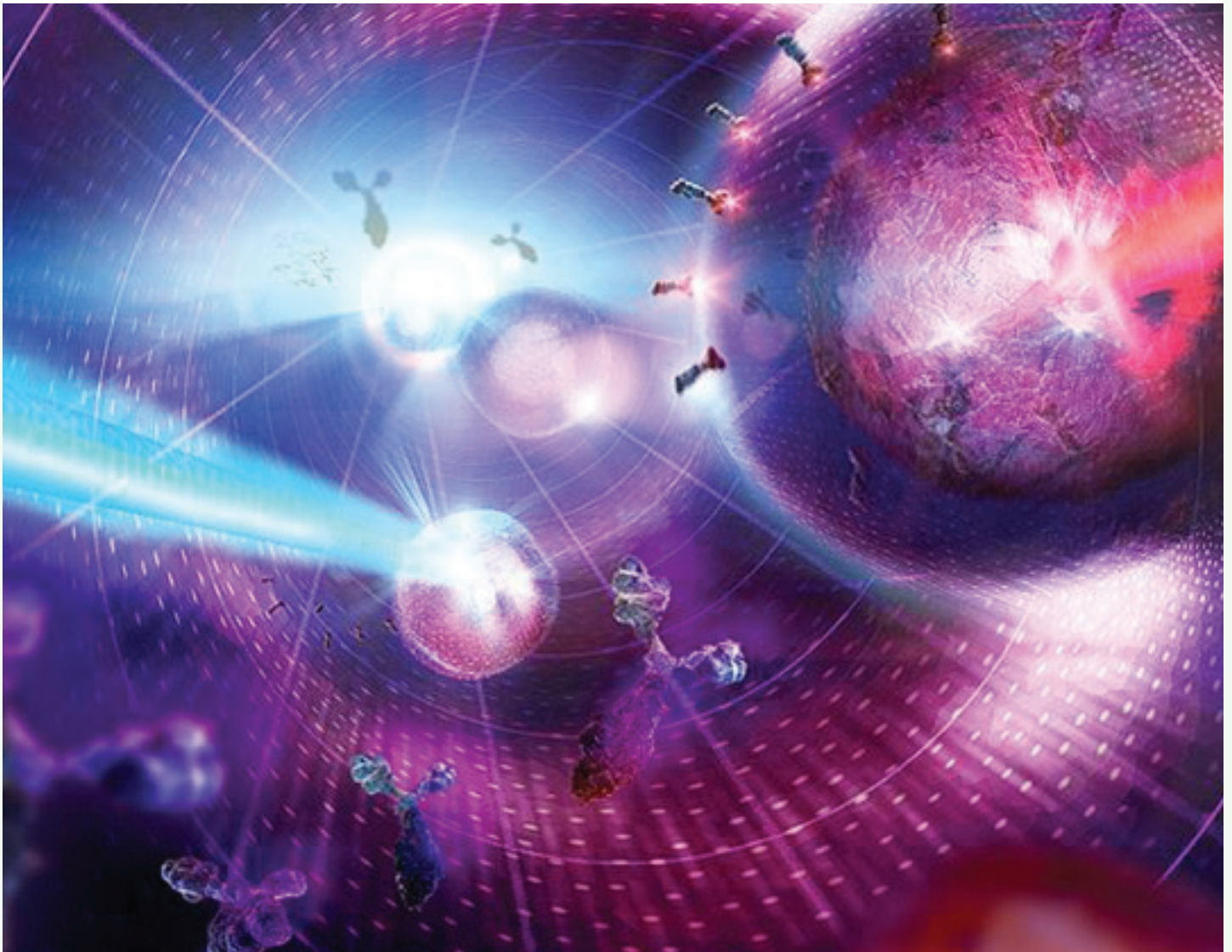
Valid until 30/09/2017

- BioLegend Price Reductions
- Huge savings on Bioline molecular biology products
- RNP delivery from Mirus
- NEW NGS library quantification kit
- Recombinant Cas9 from Takara

BioLegend Price Drop

- **MSC is the only framework approved supplier for BioLegend**
 - MSC have reduced BioLegend prices
 - No delivery charge in Dublin area
 - MSC can process BioLegend quotes!

**MSC reserves the right to withdraw this offer at any time.*

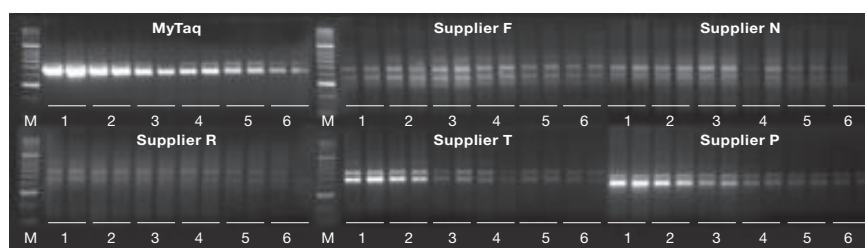


Offers on Selected Bioline Polymerases

MYTAQ DNA POLYMERASE

- New generation of polymerase with superior performance.
- Novel buffer system includes dNTPs and MgCl₂
- Robust and high yields across a wide range of templates

3-4-2



Robust amplification of GC-rich human genomic DNA (61% GC content)

MyTaq was compared with DNA polymerases from other suppliers for the amplification of a 450bp fragment of the human *myc* gene. Decreasing amounts of human genomic DNA were used as a template (1µg, 200ng, 100ng, 50ng, 25ng and 12.5ng; lanes 1-6 respectively) in the PCR. Marker is HyperLadder 1kb (M) (Cat No. BIO-33025). MyTaq delivers higher yield and sensitivity as compared with all five competing products.

Switch to MyTaq™ and get superior performance coupled with savings of up to €10/100u!

Code	Product	List Price €	3-4-2 Offer Price €
BIO-21101X3	MyTaq DNA Polymerase (100 units)	114	76
BIO-21128X3	MyTaq RED DNA Polymerase (100 units)	114	76

VELOCITY DNA POLYMERASE

- High fidelity DNA Polymerase
- High processivity
- Robust, requiring minimal optimization

2-4-1



Amplification of human genomic DNA. 27 x 55- and 62 x 106-fragments were amplified from 10ng, 50ng, 100ng, 500ng, 1µg, 5µg, 10µg, 50µg, and 100µg (lanes 1-7 respectively) of human genomic DNA using VELOCITY and Supplier P. HyperLadder™ 1kb (M).

Using Phusion polymerase?

Then switch to VELOCITY and get similar performance at a lower price.

Promo Code	Product	Promo Pack Size	2-4-1- Price €
BIO-21098X3	VELOCITY DNA Polymerase	250 Units x 2	255

AssayGenie Molecular Grade water - Buy 2 get 1 FREE



Features & Benefits

- PCR-Grade Molecular Water is RNase, DNase and DNA contamination free.
- Sterile and UV irradiated.
- Manufactured and tested for use as a component in PCR reactions.
- Validated for use with highly sensitive PCR reactions including those with eubacterial primer sets.

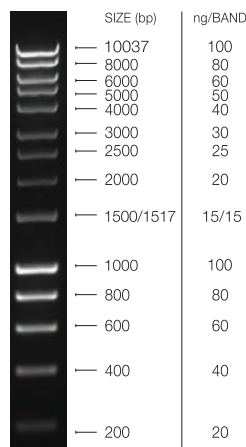
Product Code	Description	Pack Size	List Price €	Special Price €
BI00001X3	PCR Grade Water (5 x 10ml) x 3	3 x (5 x 10ml)	156	104

BUY 2 GET 1 FREE ON BIOLINE DNA HyperLadders™

2-4-1

- Easy size determination
- Ready-to-use format
- Optional mass determination

HyperLadder™ 1kb



1% agarose gel
5µl per lane

COMPETENT CELLS

2-4-1

- Comparable to DH5a cells
- Transformation efficiencies to suit all needs
- Blue-white colour selection



Blue/white selection
Addition of a piece of foreign DNA into *lacZa* gene of a vector disrupting the production of functional β -galactosidase, this prevents the metabolism of X-gal in the presence of IPTG (a Lac operon inducer). Hydrolysis of X-gal by the β -galactosidase causes the characteristic blue color in the colonies, so white colonies indicate vectors carrying the inserted foreign DNA.

Promo Code	Product	Promo Pack Size	2-4-1 Price €
BI0-85025X2	Bronze Efficiency	2 x (10x200µl)	118
BI0-85026x2	Alpha-Select Silver Efficiency Competent Cells	2 x (10x200µl)	165
BI0-85027x2	Alpha-Select Gold Efficiency Competent Cells	2 x (20x50µl)	283

Product Code	Description	Pack Size	2-4-1 Price €
BI0-33053x2	2 x HyperLadder 1kb	2 x 100 Lanes	61
BI0-33054x2	2 x HyperLadder 50bp	2 x 100 Lanes	90
BI0-33056x2	2 x HyperLadder 100bp	2 x 100 Lanes	89
BI0-33057x2	2 x HyperLadder 25bp	2 x 100 Lanes	90

AGAROSE

2-4-1

- Excellent clarity
- Strong gels at low concentrations
- DNase/RNase free

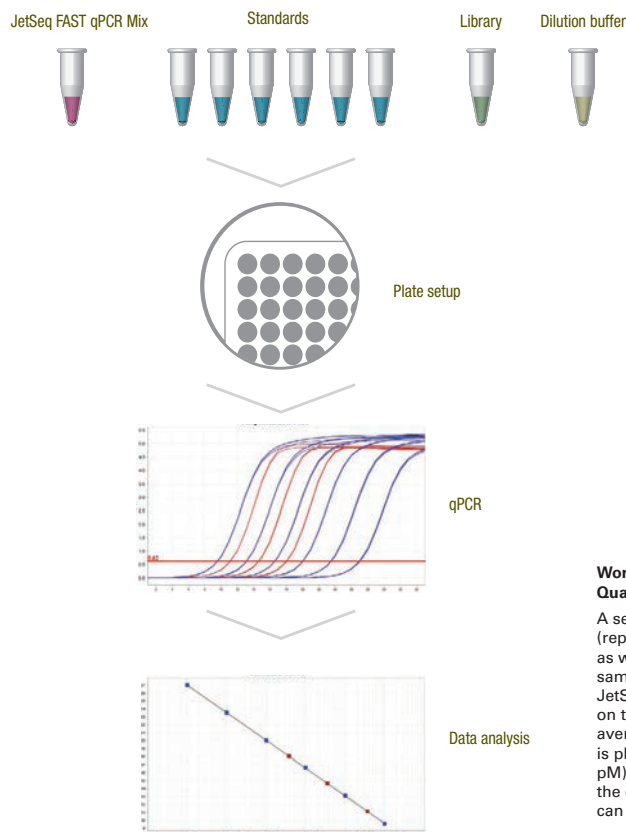
Promo Code	Product	Promo Pack Size	2-4-1 Price €
BI0-41025x2	Agarose, Molecular Grade	2 x 500g	314
BI0-41027x2	Agarose Tablets, DNase/RNase Free	2 x 300g	206

NEW JetSeq™ Library Quantification Kits

Features & Benefits

Accurate quantification of the number of amplifiable library molecules loading onto the flow cell is a critical step in the NGS workflow in obtaining high-quality read data. The JetSeq Library Quantification Kit provides all of the components, including JetSeq FAST SYBR® mix, primers and DNA standards of known concentration to allow quantification of library DNA.

- Accurate: qPCR based assay for NGS library quantification
- Sensitive: reliable quantification of even low-yield libraries
- Fast: Deliver results in 90 minutes
- Convenient: contains six pre-diluted DNA standards
- Economical: contains sufficient reagents and standards to quantify 18 individual libraries on separate plates



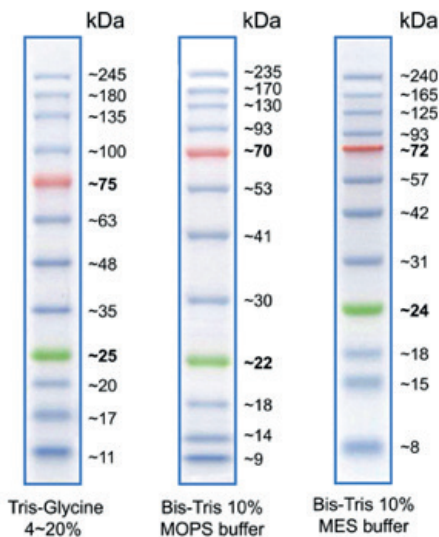
Workflow for the JetSeq Library Quantification Assay

A set of six pre-diluted DNA standards (representing a 10-fold dilution series), as well as appropriately diluted Library samples, are amplified by qPCR, using the JetSeq FAST qPCR mix and primers based on the Illumina P5 and P7 sequences. The average Ct value for each DNA standard is plotted against log₁₀ (concentration in pM) to generate a standard curve, where the diluted library samples concentration can be calculated.

Product Code	Description	Pack Size	List Price €	Special Price €
BIO-68028SP	JetSeq Hi-ROX Library Quantification Kit	500 rxns	750	600
BIO-68029SP	JetSeq Lo-ROX Library Quantification Kit	500 rxns	750	600



NEW 3-Colour Protein Ladder from Assay Genie 20% OFF

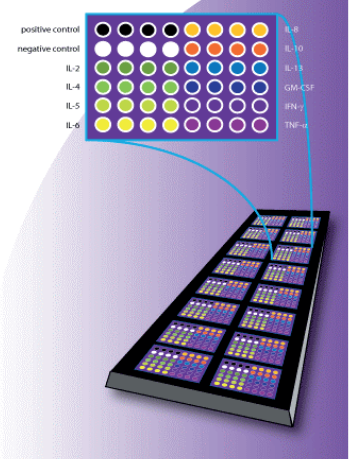


- 3-Colour prestained protein ladder
- 12 pre-stained proteins
- Wide molecular range 10 to 245kDa
- Reference bands at 25kDa and 75 kDa
- Load only 2.5µl for standard western transfer

Product Code	Description	List Price €	Special Price €
GD001-0500SP	3-colour Protein Ladder, 500ul	113	90

No Scanner? No Problem! Free Array scanning service from Raybiotech

- Product Highlights of Raybiotech Arrays
- More cost-effective than traditional ELISA
- Analyse from 8-1000 proteins per sample
- High specificity and system reproducibility
- Suitable for diverse sample types
- Low sample volume requirement: 50 µL or less
- Get results same day (6-hour processing time)
- Well-suited for high throughput assays
- Free scanning service



Item No.	Item Description	Price €	Special Offer €
FreeScan GL	Free scanning service: G-Series and L-Series (Glass slide only). We will provide an image of the slide and have links to a free database	999	Free
FreeScan	Free scanning service: Quantiboy - We will perform scanning and data extraction for free (as a special promotion) with a spreadsheet of the numbers provided to you!	999	Free

Contact info@medical-supply.ie for more details

MIRUS

TransIT-X2® Dynamic Delivery System for Plasmid DNA and gRNA

Purified Cas9 Protein can be combined with guide RNA to form an RNP complex to be delivered to cells for rapid and highly efficient genome editing. Benefits of RNP-based genome editing include:

- High Efficiency Delivery – Deliver Cas9/gRNA complexes to multiple cell types, including hard to transfect cells such as immune and stem cells
- High Specificity – Pre-formed RNP complexes provide a rapid pulse of genome editing activity
- DNA Free – No risk of insertional mutagenesis

A. Cas9 (plasmid DNA) + guide RNA (RNA oligonucleotide)



B. Cas9 nickase (plasmid DNA) + guide RNAs (RNA oligonucleotide)

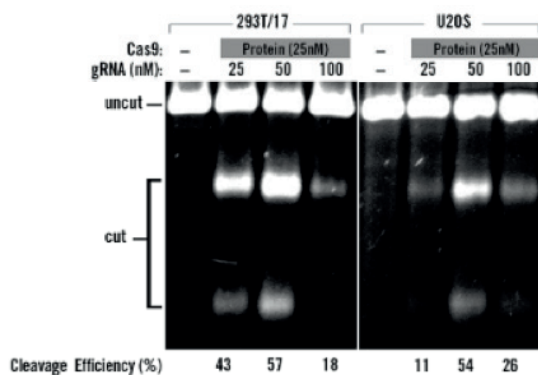


Code	Product	Pack Size	List Price €	3-4-2 Offer Price €
MIR6003 x 3	TransIT®-X2 Dynamic Delivery System 0.3ml	3 x 0.3ml	615	410
MIR6004 x 3	TransIT®-X2 Dynamic Delivery System 0.75ml	3 x 0.75ml	1,536	1,024
MIR6000 x 3	TransIT®-X2 Dynamic Delivery System 1.5ml	3 x 1.5ml	2,556	1,704

TransIT®-mRNA Transfection Kit for mRNA and gRNA Oligonucleotide Delivery

In order to avoid off-target cleavage and unwanted genomic integration of plasmid DNA, Cas9-encoding mRNA can be co-transfected with guide RNA oligonucleotides. Benefits of RNA-based genome editing include:

- High Specificity Rapid gene expression generates a transient pulse of genome editing activity
- Ease of Use Deliver mRNA and guide RNA with a single reagent
- DNA Free No risk of insertional mutagenesis

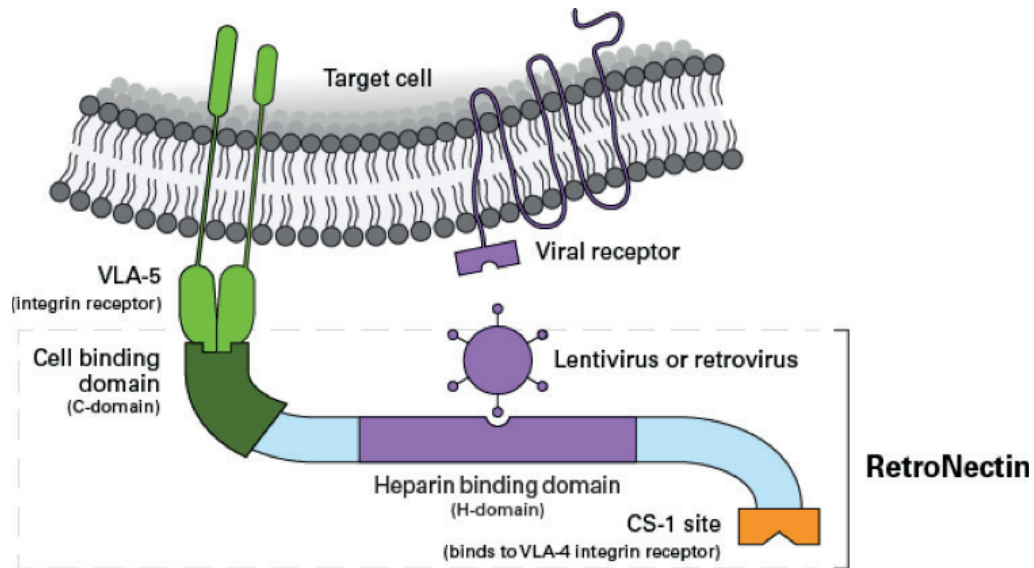


Product Code	Description	Pack Size	List Price €	Special Price €
MIR2225X3	TransIT®-mRNA Transfection Kit 0.4 ml	3 x 0.4ml	1,689	1,124
MIR2250X3	TransIT®-mRNA Transfection Kit 1 ml	3 x 1.0ml	3,000	2,000

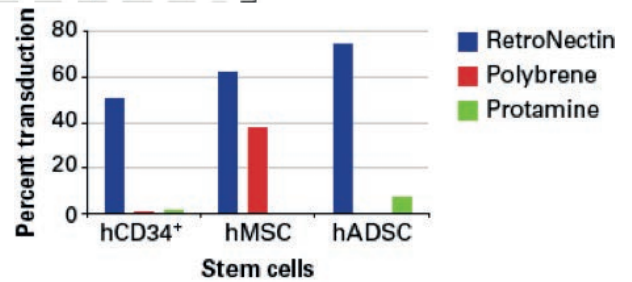
First 10 orders of Mirus products receive a FREE Mirus USB robot



NEW! Transduction with RetroNectin



- Enhanced gene transfer efficiency for retroviral or lentiviral transduction of suspension cells, hematopoietic stem cells, and other hard-to-infect cell types
- Less toxicity than other commonly used transduction-enhancers, including polybrene and protamine
- Fully recombinant peptide
- Cat. No. T110A consists of ten 35 mm dishes pre-coated with RetroNectin



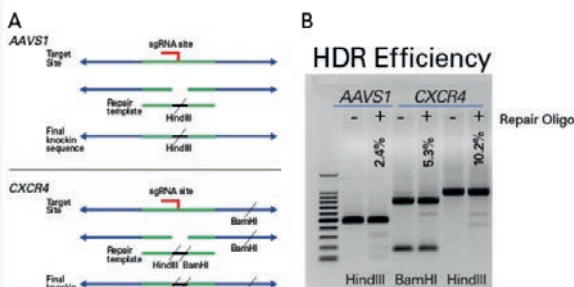
Comparison of retrovirus-mediated gene transfer efficiency into human stem cells using various methods.

Product Code	Description	Size	List Price €	Special Price €
T100BSP	RetroNectin® Recombinant Human Fibronectin Fragment	2.5mg	770	650
T110ASP	RetroNectin® Precoated Dish	10 dishes	500	430
T100ASP	RetroNectin® Recombinant Human Fibronectin Fragment	0.5mg	210	182

Electroporation Ready Cas9

Electroporation ready purified Cas9 modified with a C-terminus nuclear localisation sequence (NLS) Features

- The Cas9 protein solution is sterile and well-tolerated by mammalian cells
- Highly efficient editing when combined with our Guide-it Complete sgRNA Screening System
- Minimizes off-target effects—better than plasmid-based delivery systems
- Works well in hard-to-transfect cell lines



Product Code	Description	Pack Size	List Price €	Special Price €
632640SP	Guide-it™ Recombinant Cas9 (Electroporation-Ready)	3 x 100 ug	612	550
632641SP	Guide-it™ Recombinant Cas9 (Electroporation-Ready)	100 ug	260	230