

Spring/Summer Promotions

Please reference
MSCSPRSUM2018
to avail of offers.

Valid until 30/6/2018

- **Run your QPCR in just 30 minutes**
- **Bioline – savings on DNA polymerases**
- **BioLegend – multiplex your ELISAs with flow cytometry**
- **RayBiotech – Buy 4 ELISAs get 1 FREE**
- **Antibody Genie – Only €99 for CRISPr verified Antibodies**
- **Mirus – CRISPr and siRNA transfection reagents**
- **Takara – cfDNA low input DNA NGS**
- **Takara – cloning made easy with InFusion**

QPCR results in just 30 minutes

Combine the Mic and Bioline SensiFAST for FAST and Accurate results



Fast. Accurate. Compact.



Speed



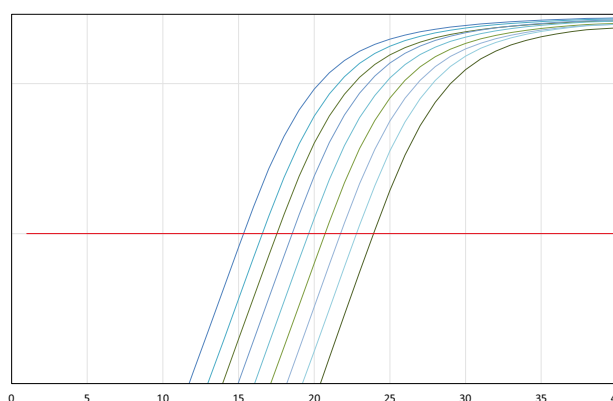
Accuracy



Size



Connectivity



Product Highlights

- Faster - 35 cycles in less than 25 minutes
- Accurate - Superior uniformity of ± 0.05 °C
- Intelligent software - for absolute and relative quantification, genotyping, HRM
- Scalable - up to 480 samples per run
- Extremely compact – less than 2 kg
- No need for calibration - maintenance free

Code	Description	QTY	Price €	Special Offer €
MIC-2	Mic 2-Channel	1	13,000	FREE
BIO-98050	SensiFAST SYBR No-Rox 5000 x 20ul	4	12,960	12,960
MIC-TUBES	Mic Tubes and Caps, 12 boxes of 20 racks of 48 tubes/rack with matching caps	2	440	440
TOTAL			26,400	13,400

Contact your local MSC representative for a quote and demo.

info@medical-supply.ie

OFFERS ON DNA POLYMERASES

MYTAQ POLYMERASE – MYTAQ IS BETTER THAN YOUR TAQ

- New generation of antibody-based hot-start polymerase
- Highest specificity and performance
- Novel buffer system, including ultra-pure dNTPs and MgCl₂

3-4-2

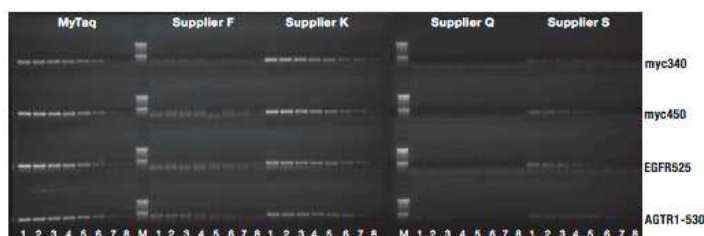


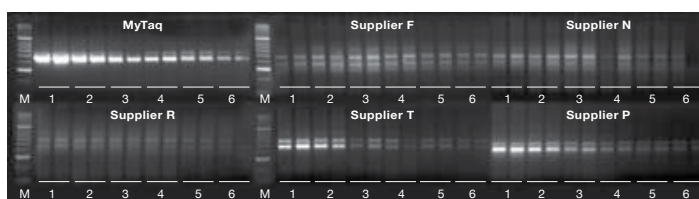
Fig. 3 Fast amplification was carried out on a range of human genomic targets
A 340 bp (A) and a 450 bp (B) fragment of the myc gene, a 525 bp (C) fragment of the EGFR gene and a 530 bp (D) fragment of the AGTR1 gene was amplified using MyTaq HS polymerase and the results were compared with PCR reactions using hot-start DNA polymerases from other suppliers. A 3-fold serial dilution of human genomic DNA (100 ng - 3 pg, lanes 1-8 respectively) (HyperLadder 1kb (M)) was incubated for 3 min at 95 °C followed by 35 cycles of 95 °C for 15s, 55 °C for 15s and 72 °C for 15s. MyTaq has performed well across all four human genes.

Code	Product	List Price €	3-4-2 Offer Price €
BIO-21112X3	MyTaq DNA Polymerase (1000 units)	€ 1518	€ 1012
BIO-21115X3	MyTaq RED DNA Polymerase (1000 units)	€ 1518	€ 1012

MYTAQ DNA AND MYTAQ MIX

- 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.

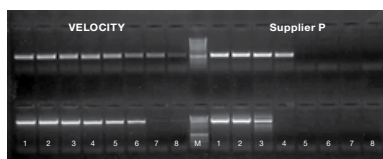
Switch to MyTaq™ and get superior performance coupled with savings of up to €15/100u!

Code	Product	List Price €	3-4-2 Offer Price €
BIO-21101X3	MyTaq DNA Polymerase (100 units)	€ 114	€ 76
BIO-21105X3	MyTaq RED DNA Polymerase (500 units)	€ 342	€ 228
BIO-21128X3	MyTaq RED DNA Polymerase (100 units)	€ 114	€ 76
BIO-25043X3	MyTaq RED Mix, 2x (200 Reactions)	€ 405	€ 270

VELOCITY DNA POLYMERASE

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

Using Phusion polymerase



Amplification of human genomic DNA
A/a 1kb and B/b a 10kb fragment was amplified from 10ng, 2ng, 400pg, 80ng, 16pg, 3.2pg, 0.8pg and 0.1pg (lanes 1-8 respectively) of human genomic DNA using VELOCITY and supplier P. HyperLadder™ 1kb (M).

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

Code	Product	List Price €	2-4-1 Offer Price €
BIO-21098X3	VELOCITY DNA Polymerase (250 units)	€ 510	€ 255
BIO-21099X3	VELOCITY DNA Polymerase (500 units)	€ 1080	€ 540

2-4-1

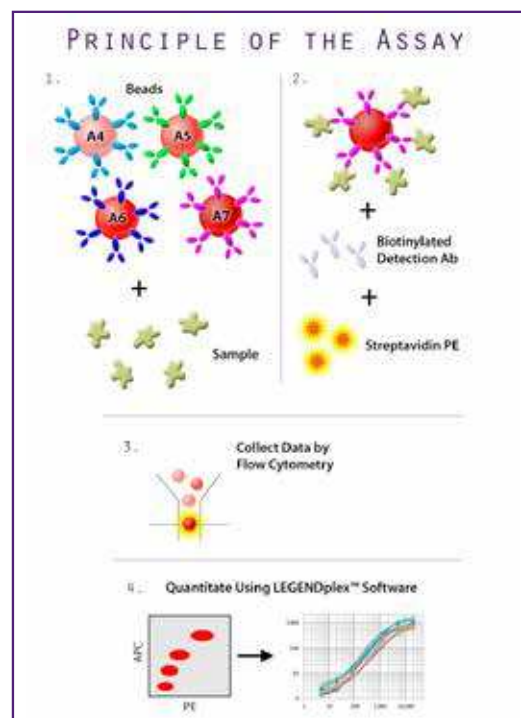
Multi-Analyte Flow Assay Kits

10% OFF
Every Purchase

LEGENDplex™ Multi-Analyte Flow Assay Kits are bead-based immunoassays for simultaneous quantification of multiple analytes in a single sample using a standard flow cytometer. Free, intuitive software enables fast and easy analysis of your data.

Kits can be ordered as either Pre-defined Panels (e.g., Th1, Th2, Th17) or Mix and Match (choose your own specificities within a panel). The reagents are provided in ready-to-use format, saving reagent preparation time.

- Multiplex Bead Assays on Common Flow Cytometers
- Pre-defined Panels or Mix and Match System
- Free Data Analysis Software
- Outstanding Value
- Great Assay Performance
- Custom assay development services available
- Free data analysis



New Panel Releases

Human Targets:

Macrophage	B cell Panel	Vascular Inflamm. Panel I	Kidney Toxicity Panel I (Urine)	Kidney Toxicity Panel II (Serum)
Arginase	APRIL	Myoglobin	IGFBP-7	TIMP-2
CCL17	BAFF	MRP8/14	β2 Microglobulin	Cystatin C
CXCL10 (IP-10)	CD40L	NGAL	Cystatin C	NGAL
IFN-γ	IFN-γ	CRP	Clusterin (ApoJ)	TFF-3
IL-1β	IL-2	MMP-2	EGF	Uromodulin
IL-1RA	IL-4	OPN	Albumin	IGFBP-7
IL-4	IL-6	MPO	OPN	
IL-6	IL-10	SAA	TFF-3	
IL-10	IL-12 (p70)	IGFBP-4	Uromodulin	
IL-12 (p40)	IL-13	ICAM-1		
IL-12 (p70)	IL-17A	VCAM-1		
IL-23	TNF-α	MMP-9		
TNF-α	TNF-β	Cystatin C		

Immunoglobulin Isotyping Panel
IgA
IgG1
IgG2a
IgG2b
IgG3
IgM

Free Active/Total TGF-β1 Panel

Free Active TGF-β1
Total TGF-β1

Free active TGF-β1 can be easily multiplexed with other LEGENDplex™ panels for custom assay orders.

Learn more at:
biolegend.com/legendplex

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RayBiotech, Inc.
the protein array pioneer company

- 1,500 + targets
- 90-day 100% guarantee - risk-free trial
- All ELISAs are GMP-compliant



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Item No.	Product
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AntibodyGenie 

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Antibodies Now Only
€99 for 10ug Trial Size!



A high efficiency, low toxicity siRNA and plasmid DNA transfection reagent for mammalian cells

**Save
40%**

- Broad Spectrum siRNA and Plasmid DNA Delivery – Utilize one transfection reagent and protocol for a wide variety of cells
- Low Cellular Toxicity – Maintain cell density and reduce experimental biases
- Reproducible Results – Obtain consistent, targeted gene knockdowns from day to day
- High Knockdown Efficiency – Achieve optimal gene silencing in a large percentage of cells to ensure experimental success

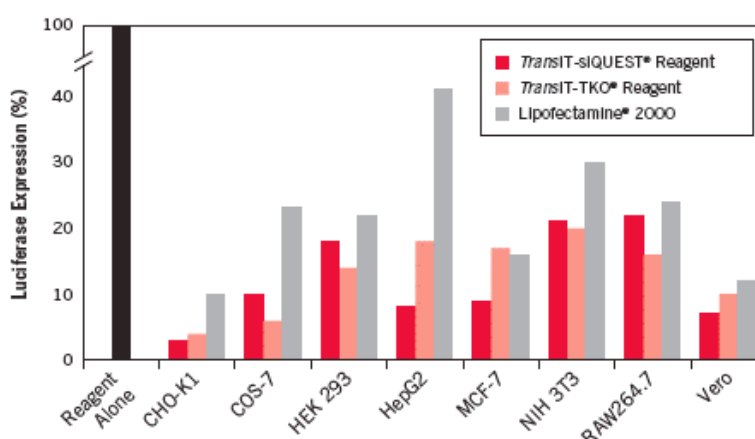


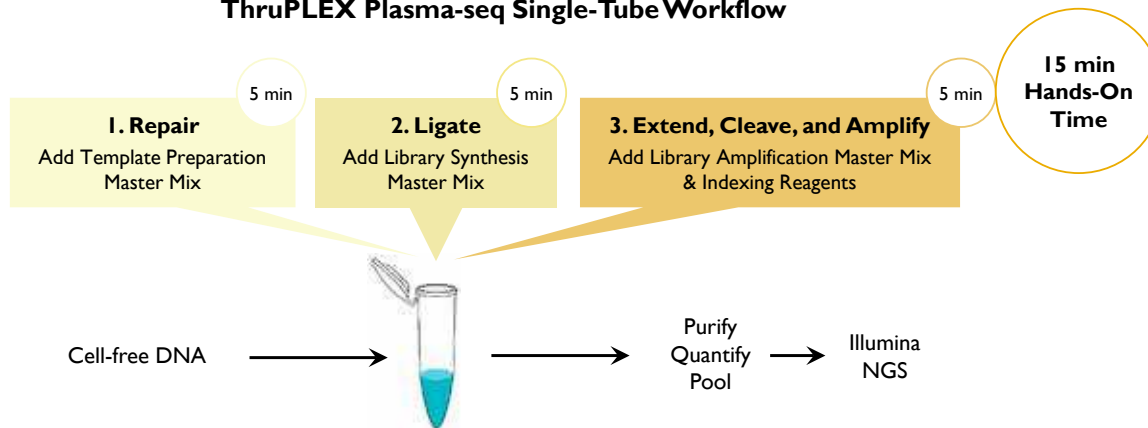
FIGURE 17. Knockdown Efficiencies Using TransIT-siQUEST®, TransIT-TKO® Reagents and Lipofectamine® 2000. Firefly and sea pansy luciferase reporter vectors were co-transfected into various cell lines using the TransIT®-LT1 Reagent (Mirus Bio). Subsequently, firefly luciferase expression was knocked down by transfection of 25 nM anti-firefly luciferase siRNA using either TransIT-siQUEST® (red, (Mirus Bio)), TransIT-TKO® (tan, (Mirus Bio)) or Lipofectamine® 2000 (gray, Thermo Fisher Scientific) Reagents. Bars indicate the percent of normalized firefly luciferase expression as compared to each reagent alone control 24 hours post-transfection.

High Efficiency Knockdown and Low Toxicity Using TransIT-TKO® Reagent in HeLa Cells. Firefly and sea pansy luciferase reporter vectors were co-transfected into HeLa cells using TransIT®-LT1 Reagent.

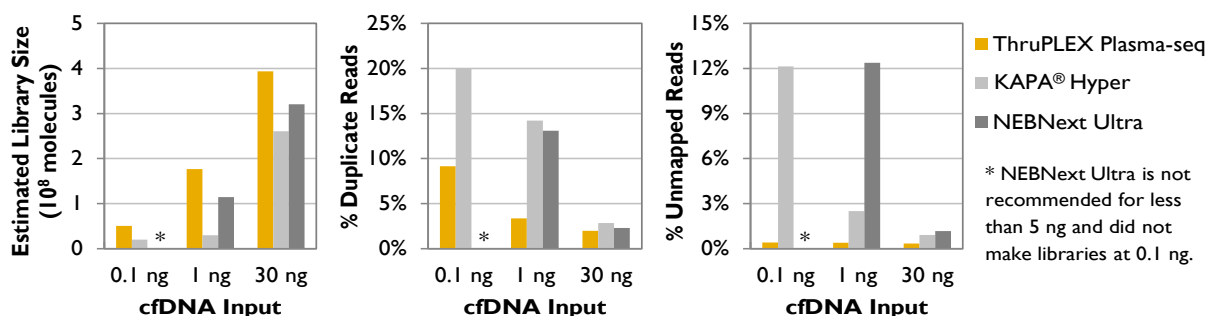
Code	Description	List Price €	Special Price
MIR2154SP	TransIT®-TKO Transfection Reagent 0.4ml	€ 440	€ 264
MIR2150SP	TransIT®-TKO Transfection Reagent 1.5ml	€ 704	€ 422

Introducing ThruPLEX Plasma-seq kit for cell-free DNA sequencing

ThruPLEX Plasma-seq Single-Tube Workflow



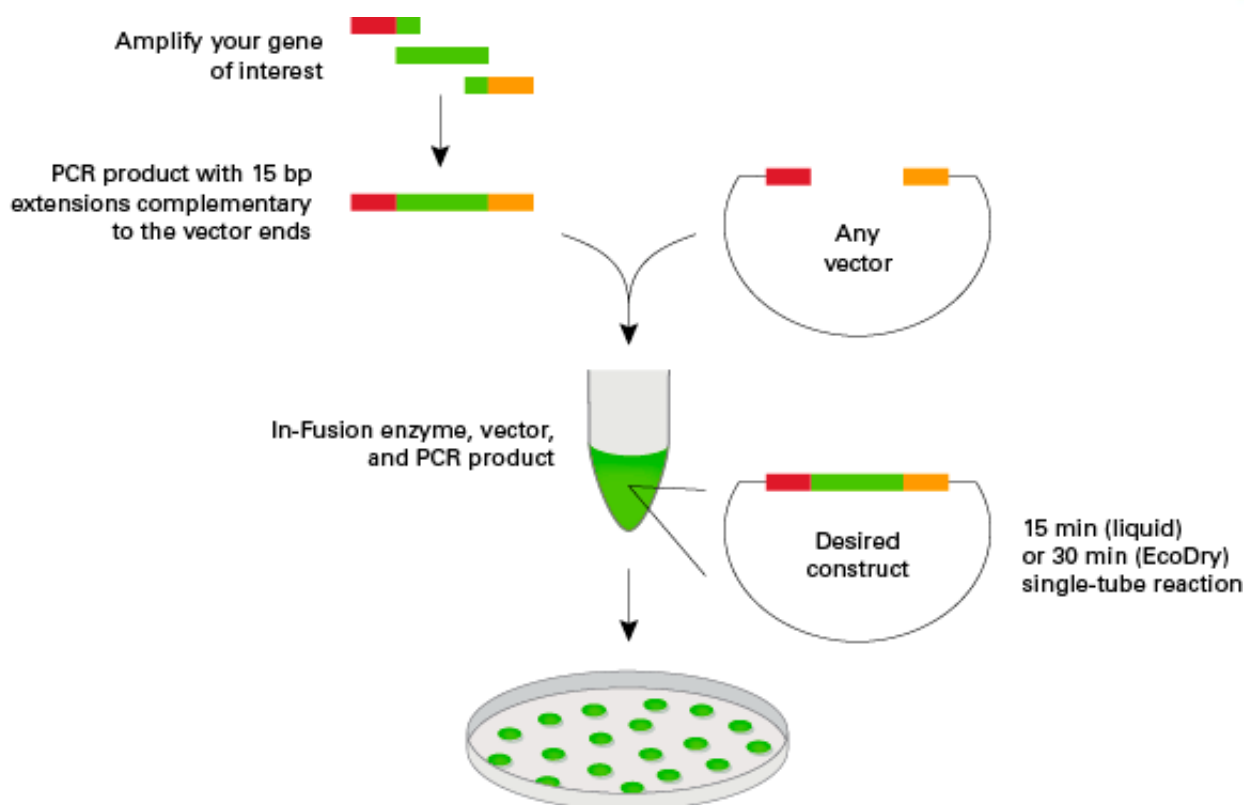
Highest Diversity and Fewest Unmapped Reads from Cell-Free DNA



Features

- Designed for cell-free DNA: newly formulated repair and ligation reagents with optimized protocols
- High performance NGS libraries: high diversity with broad and reproducible GC coverage
- Variable sample input: <1 ng to 30 ng of cell-free DNA
- Fast and simple workflow: 3 steps in a single tube or well in 2 hours with no purification or sample transfer steps
- Research applications: libraries from samples where results require high sensitivity including liquid biopsies, ctDNA, and targeted sequencing
- Automation-friendly: Beckman[®] FXP Workstation

Code	Description	List Price €	Special Price
R400490	ThruPLEX Plasma-seq 12S Kit (12 Rxns)	€ 960	€ 864



Features

In-Fusion HD Plus is a complete cloning system that includes all the reagents you need—including the PCR enzyme, competent cells, and PCR clean-up or gel extraction kit.

Sub-cloning is unnecessary—Clone any insert, into any location, within any vector

Highly efficient—Over 95% efficiency demonstrated with a broad range of fragment sizes from 0.5 kb to 15 kb

Seamless construction—Final constructs have no extra base pairs left over (as is often the case with restriction digest or TA cloning)

Flexibility to clone single or multiple fragments—Clone single or multiple DNA fragments simultaneously, in a single reaction

Can be used to perform site-directed mutagenesis

Single-Insert Cloning	In Fushion HD Cloning	Gibsons Method
Conditions	Incubate at 50°C for 15 min	Incubate at 50°C for 15 min
Vector and Insert	635 Colonies	401 Colonies
Negative Control (no insert)	1 Colony	39 Colonies
Cloning Accuracy	100% (26/26 correct colonies)	96% (25/26 correct colonies)

Code	Description	List Price €	Special Price
638909	In-Fusion HD Cloning Plus (10 Rxns)	€ 275	€ 220
638910	In-Fusion HD Cloning Plus (50 Rxns)	€ 1040	€ 832