EUROMEDEX

PROMOTIONAL OFFER

VALID UNTIL

November 30th, 2024

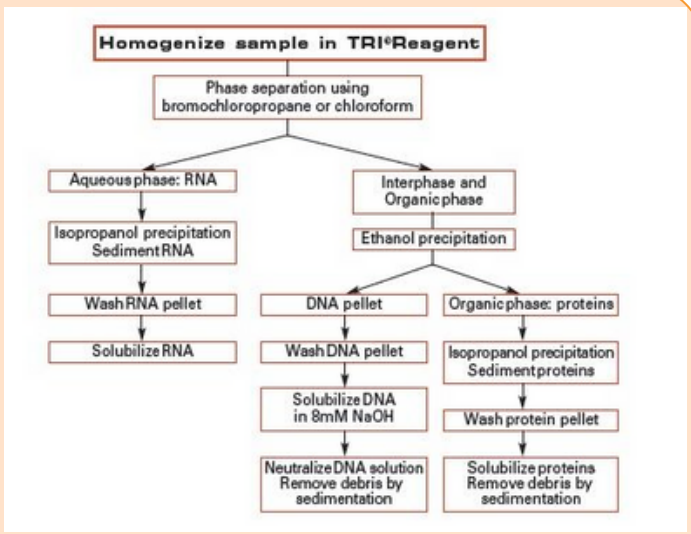
TRI REAGENT®

***TRI Reagent*®** is a patented reagent for the isolation of total RNA or for the simultaneous isolation of RNA, DNA and proteins.

The reagent is an improved version of the popular single-step method for total RNA isolation:

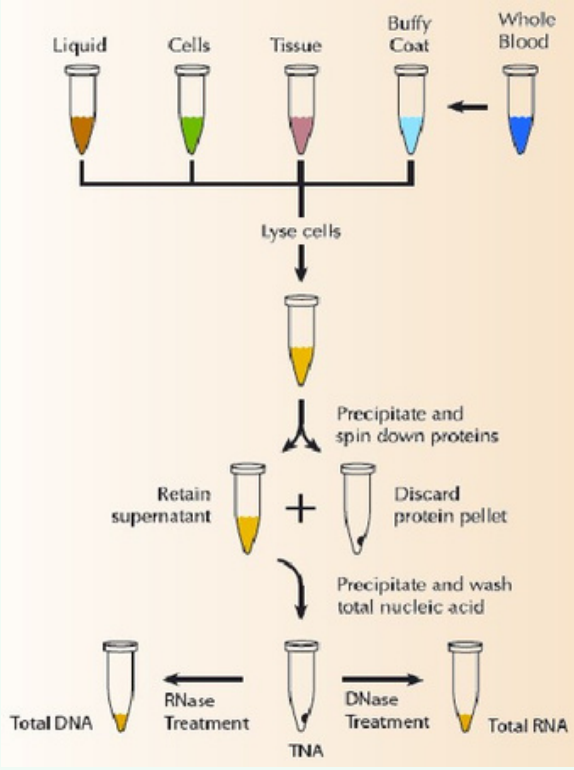
- It is a monophase solution containing phenol and guanidine thiocyanate.
- TRI Reagent® provides a reliable, cost effective and efficient method of RNA isolation.
- TRI Reagent® allows for a comprehensive analysis of gene expression in a variety of samples of human, animal, plant, yeast, bacterial and viral origin.
- RNA isolation is complete in less than one hour, and DNA and protein isolations in less than three hours.

Three versions of TRI Reagent® are available, each designed for optimal isolation efficiency from certain types of samples.



TR118-100	100ml	119,00€HT*

MASTERPURE™ COMPLETE DNA AND RNA PURIFICATION KIT



Overview of the MasterPure Complete Kit protocol

Quickly purify high yields of high-molecular-weight genomic DNA, total cellular RNA or Total Nucleic Acid (TNA) with one kit

- Purify Total Nucleic Acid (TNA), DNA or RNA in 30-60 minutes
- Safe: Does not use hazardous phenol, chloroform or guanidine
- High Purity: A260/A280 ratios consistently between 1.8 and 2.0
- High Yields: Improves yields by avoiding the use of columns which often reduce nucleic acid yields
- Versatile: Purify TNA, genomic DNA, total RNA, FFPE RNA, or both genomic DNA and total RNA from a sample
- Total RNA Recovery: Purify both large and small (e.g., miRNA) RNA for RNA-Seq or qRT-PCR
- Proven: Hundreds of citations for purification of DNA and RNA from dozens of sample types for use in many applications

Applications

Purification of genomic DNA or total RNA for many applications, including:

- Library preparation for next generation sequencing (NGS) of genomic DNA and RNA
- DNA methylation studies using Illumina® Infinium® HumanMethylation BeadChips
- Genomic DNA and cDNA cloning
- qPCR and qRT-PCR
- Micrarray analyses (CGH, gene expression profiling, etc)

LU-MC85200	200 Purifications	552,00€HT*
LU-MC89010	10 Purifications	114,00€HT*

SUMMARY

*Prices are valid until November 30th, 2024

Acryl/Bis Solution

	Ratio	19/1		29/1		37.5/1	
	Size	500 ml	1l	500 ml	1l	500 ml	1l
40% Solution	Purity: 99.4%	EU0061-B 33,60 €	EU0061-C 52,00 €	EU0063-B 33,60 €	EU0063-C 52,00 €	EU0062-B 33,60 €	EU0062-C 52,00 €
	Purity: 99.9%	EU0076-B 41,65 €	EU0076-C 73,95 €	EU0077-B 41,65 €	EU0077-C 68,00 €	EU0078-B 41,65 €	EU0078-C 68,00 €
30% Solution	Purity: 99.4%	EU0072-B 40,50 €	EU0072-C 58,65 €	EU0073-B 33,15 €	EU0073-C 49,60 €	EU0074-B 33,15 €	EU0074-C 49,60 €
	Purity: 99.9%	EU0086-B 39,95 €	EU0086-C 68,85 €	EU0087-B 39,95 €	EU0087-C 68,85 €	EU0088-B 39,95 €	EU0088-C 68,85 €

Agar

Bacteriological Grade

1330-C	250 g	36,55 € HT
1330-D	500 g	57,80 € HT
1330	1 kg	97,75 € HT

Agarose DNA Grade

Gelling Temperature : 34-37°C
Specially recommended for separation of megabase DNA (up to 40 Kb) by Pulsed Field Gel Electrophoresis (PFGE) and DNA ≥ 1Kb by conventional electrophoresis. DNAse/RNAse activity: none detected.

D5-C	100 g	51,75 € HT
D5-E	500 g	220,15 € HT
D5	1 kg	418,50 € HT

AGAROSE for routine Analysis

DNA fragments from 23 kb to 100 bp may be separated through conventional electrophoresis

No detectable DNase or RNase activity

✔ EEO < 0.120 ✔ Gel strength 1% > 1200 g/cm²

LE-8200-A	100 g	43,35 € HT
LE-8200-B	500 g	169,15 € HT
LE-8200	1 kg	296,65 € HT

Ampicillin, Sodium Salt

EU0400-B	5 g	10,50 € HT
EU0400-C	10 g	17,50 € HT
EU0400-D	25 g	39,90 € HT

Aprotinin

Can be added to cell culture to prevent decomposition of protein hormones such as insulin

A162-A	5 mg	17,00 € HT
A162-B	10 mg	27,20 € HT
A162-E	25 mg	60,35 € HT
A162-C	50 mg	115,20 € HT

Bovine Serum Albumin, pH 7

Protease Free

04-100-812-C	100 g	76,00 € HT
04-100-812-E	500 g	310,25 € HT
04-100-812	1 kg	539,10 € HT

CHAPS

1083-B	5 g	38,25 € HT
1083-C	10 g	71,40 € HT
1083	25 g	164,90 € HT

D-Luciferin, potassium salt

12505-AAT	25 mg	76,80 € HT
12506-AAT	100 mg	99,20 € HT
12507-AAT	1g	248,80 € HT

DMSO

✔ **ACS**

UD8050-05-A	100 ml	12,80 € HT
UD8050-05-C	500 ml	34,85 € HT

✔ **Molecular Biology Grade**

UD8050-A	100 ml	31,45 € HT
UD8050-B	250 ml	70,55 € HT

DNase I

Deoxyribonuclease I from bovine pancreas (3000U/mg)

1307	20 000U	23,80 € HT
1307-B	100 000U	101,15 € HT

DTT

Molecular Biology Grade. Purity >99%

EU0006-B	5 g	24,65 € HT
EU0006-D	25 g	98,60 € HT
EU0006	100 g	322,15 € HT

EDTA

Ethylene diamine tetracetic acid disodium salt, $2H_2O$
Purity>99%

✔ **Powder**

EU0007-B	500 g	25,50 € HT
EU0007	1 kg	41,65 € HT

✔ **Solution 0.5M, pH~8.0**

EU0084-A	100 ml	12,75 € HT
EU0084-B	500 ml	21,25 € HT
EU0084	1 l	32,30 € HT

Gentamycin Sulfate

EU0410-A	1 g	7,20 € HT
EU0410-B	5 g	15,30 € HT
EU0410-C	25 g	61,20 € HT

Glucose Anhydrous

Alpha-D-(+)-Glucose

UG3050	1 kg	23,80 € HT

Glycerol

✔ **High Purity > 99%**

EU3550	1 l	33,15 € HT

✔ **High Purity > 99%, Molecular Biology Grade**

EU3555	1 l	43,35 € HT

Glycine Ultra pure

Purity >99%

26-128-6405-C	1 kg	33,15 € HT

IPTG

Dioxane Free

EU0008-A	1 g	8,40 € HT
EU0008-B	5 g	31,80 € HT
EU0008-C	25 g	117,00 € HT

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LB Broth

LB Lennox

Tryptone 10g/l; Yeast Extract 5g/l; NaCl 5g/l

AE-0102	500 g	47,60 € HT

LB Miller

Tryptone 10g/l; Yeast Extract 5g/l; NaCl 10g/l

AE-0103	500 g	45,90 € HT

LB Lennox Agar

Tryptone 10g ; yeast extract 5.0g ; NaCl 5g ; Agar 15g

EU0031	500 g	57,80 € HT

PBS

Solution 10X

Contains : NaCl, KH_2PO_4, Na_2HPO_4
Prepared with water 18 megaohm, filtered 0.2µm,pH : 7,4

ET330	1 l	9,80 € HT
ET330-A	5 l	28,00 € HT

Tablets :

1 tablet or 1 pouch dissolved in its corresponding solution volume of deionized water yields: 0.14 M sodium chloride; 0.0027 M potassium chloride; 0.01 M phosphate buffer pH 7.4 at 25° C.

EU1-2051-100 (100ml/Tab)	100 Tabs	45,00 € HT
EU1-2052-100 (200ml/Tab)	100 Tabs	74,70 € HT

Proteinase K

High concentration

EU0091-A	25 mg	8,00 € HT
EU0091-B	100 mg	24,50 € HT
EU0091-C	500 mg	104,25 € HT
EU0091	1 g	186,75 € HT

SDS

Prepared with SDS Ultra pure (99.9%), 18 megaohm water
Filtered 0.2µm

Solution 20%

EU0660-B	500 ml	36,55 € HT
EU0660	1 l	63,20 € HT

Solution 10%

EU0760-A	500 ml	23,20 € HT
EU0760	1 l	39,10 € HT

Sodium Chloride

Purity min.: 99.5%

1112-A	1 kg	13,60 € HT

Sodium Hydroxide

Microprills

2020	1 kg	27,20 € HT

SSC 20X

Prepared with ultra pure reagents, 0.2µm filtered

EU0300-A	1 l	9,75 € HT
EU0300-B	2,5 l	16,50 € HT
EU0300-C	5 l	28,00 € HT

Sucrose

D(+)-Saccharose
Purity min.: 99,5%

200-301-A	500 g	9,75 € HT
200-301-B	1 kg	13,60 € HT
200-301	5 kg	50,15 € HT

TAE

TAE 10X

Contains : Tris 0.4M, Acetate 0.2M and EDTA 10mM.
Filtered 0.2µm and prepared with 18,2 megaohm water

EU0202-A	1 l	9,00 € HT
EU0202	5 l	29,75 € HT

TAE 25X

Contains : Tris 1M, Acetate 0,5M and EDTA 25mM.
Filtered 0.2µm and prepared with 18,2 megaohm water

EU0200-A	1 l	16,80 € HT
EU0200	5 l	72,90 € HT

TAE 50X

Contains : Tris 2M, Acetate 1M and EDTA 50mM.
Filtered 0.2µm and prepared with 18,2 megaohm water

EU0201-A	1 l	23,20 € HT
EU0201	5 l	93,50 € HT

TBE 10X

Composition : Tris 0.89M, Boric acid 0.89M, EDTA 20mM

ET020-A	1 l	12,75 € HT
ET020-B	2.5 l	28,80 € HT
ET020-C	5 l	46,75 € HT

TBS 10X

Contains: Tris 0.25M, NaCl 1.37M and KCl 26.8mM

ET0220	1 l	9,10 € HT
ET0220-B	5 l	30,00 € HT

TG 10X

Contains 0.25M Tris and 1.92M Glycine

EU0550-B	1 l	10,50 € HT
EU0550	5 l	40,80 € HT

TG-SDS 10X

Contains 0,25M Tris; 1,92M Glycine and 1% SDS

EU0510-A	1 l	11,90 € HT
EU0510	5 l	45,90 € HT

TRIS Base ultrapure

Purity > 99,8% Appearance: White crystals

EU1018-B	500 g	31,50 € HT
EU1018-A	1 kg	51,85 € HT

Urea

Purity ≥99,6 %, cryst.

EU0014-A	500 g	12,75 € HT
EU0014-B	1 kg	19,55 € HT

X-Gal

Molecular Biology

EU0012-C	500 mg	31,50 € HT
EU0012-D	1 g	53,55 € HT

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COMPETENT CELLS

Competent Cells include Control DNA and Recovery Medium, and are packaged as SOLOs (1 transformation per tube), DUOs (2 transformations per tube), Subcloning Grade (12 transformations per tube), or microplates as indicated. Recovery Medium is also available separately. The specified transformation efficiencies are with pUC DNA, unless indicated otherwise.

General Cloning and Library Construction

E. CLONI® COMPETENT CELLS

E. cloni competent cells share the most useful genetic elements of standard cloning strains like DH5a™ DH10B™, JM109, TOP10, etc. and directly replace them in cloning protocols. However, E. cloni electrocompetent cells incorporate a unique manufacturing technology that increases transformation efficiency, recombinant yields and reliability.

E. cloni® 10G Electrocompetent Cells

E. cloni 10G Competent Cells **:** Library construction, cloning, subcloning, and plasmid isolation with or without blue/white screening.

Choice of efficiency:

- *E. cloni 10G SUPREME Electrocompetent Cells > 4 × 10^{10} cfu/µg pUC DNA*
  SUPREME Cells have the highest transformation efficiency. Choose SUPREME Cells for the most demanding cloning situations, such as construction of large, high complexity libraries or cloning difficult targets, which require the greatest number of transformants possible.
- *E. cloni 10G ELITE Electrocompetent Cells > 2 × 10^{10} cfu/µg pUC DNA*
  ELITE Cells have twice the transformation efficiency compared to "ultra high efficiency" cells from other suppliers. ELITE Cells provide large numbers of transformants from hard-to-clone fragments or limited DNA
- *E. cloni 10G CLASSIC Electrocompetent Cells > 5 × 10^{9}cfu/µg pUC DNA*
  CLASSIC Cells are high efficiency cells.These cells are the most economical choice for standard cloning and library construction. 10G CLASSIC Cells are available in larger package sizes for convenient use in higher volume cloning applications.

E. cloni Cell Lines	Transformation Efficiency (cfu/µg pUC DNA)	Cloning Methylated DNA	BAC, Cosmid Cloning	Blue/White Screening
10G SUPREME Electrocompetent	≥4 × 10^{10}	YES	YES	YES without IPTG induction
10G ELITE Electrocompetent	≥2 × 10^{10}	YES	NO	YES without IPTG induction
10G CLASSIC Electrocompetent	≥5 × 10^{9}	YES	NO	YES without IPTG induction

E. cloni 10G Elite Electrocom-petent	LU-60051-1	12 rxns (SOLOs)	**243,20€HT***
	LU-60052-1	12 rxns (DUOs)	**213,60€HT***
	LU-60052-2	24 rxns (DUOs)	**366,40€HT***
	LU-60052-3	24 rxns (SixPacks)	**283,20€HT***
	LU-60052-4	48 rxns (SixPacks)	**467,20€HT***
E. cloni 10G Supreme Electrocompetent	LU-60080-1	12 rxns (DUOs)	**332,00€HT***
	LU-60080-2	24 rxns (DUOs)	**608,80€HT***
	LU-60081-1	12 rxns (SOLOs)	**377,60€HT***
E. cloni 10G Classic Electrocompetent	LU-60117-1	24 rxns (SixPacks)	**251,20€HT***
	LU-60117-2	48 rxns (SixPacks)	**448,00€HT***

E. cloni® 10G Chemically Competent Cells

Choice of efficiency:

- *E. cloni 10G Chemically Competent Cells > 1 × 10^{9} cfu/µg pUC DNA*

Highly efficient competent cells for routine cloning applications.

LU-60107-1 12 rxns (DUOs) **157,60€HT***
LU-60107-2 24 rxns (DUOs) **276,80€HT***

- *E. cloni 10G Chemically Competent Cells, Subcloning Grade (> 1 × 10^{8} cfu/µg pUC DNA).*

The best value available anywhere for simple cloning and plasmid propagation.

LU-60108-1 Subcloning Grade, 48 rxns **92,00€HT***

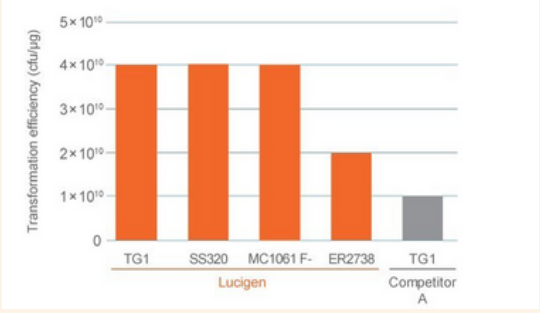
Phage Display Library Construction

TG1 Electrocompetent Cells

Construct larger, more complex phage display libraries with highest efficiency cells. This amber suppressor strain can be used for phage display and protein expression.

Key Features

- Perfect for antibody phage display library creation
- The highest efficiency TG1 competent cells available.
- Create larger libraries; speed discovery
- Bulk custom dispensing available



Transformation efficiency of electrocompetent bacterial cells for phage display compared to competitor's specification.

LU-60502-1 12 rxns (DUOs) **251,20€HT***
LU-60502-2 24 rxns (DUOs) **436,80€HT***

Lentiviral and CRISPR gRNA Library Construction

Endura Competent Cells

Clone and maintain unstable or repetitive sequences and lentiviral libraries with high efficiency. Ideal for GeCKO CRISPR library transformation.

Key Features

- Clone repetitive sequences and lentiviral libraries
- Stabilise direct repeats and create lentiviral constructs
- Generate CRISPR-GeCKO-Libraries-Endura lentiviral guide RNA libraries
- Recommended in CRISPR GeCKO library protocols
- Choose electrocompetent or chemically competent cells
- Highest efficiency commercially available cells for lentiviral cloning

Excellent value and efficiency! Switch to Endura cells today and experience a higher level of efficiency and a savings in your cloning budget.

Chemical or Electrocompetent. Whichever method of transformation you prefer, we can give you better efficiency and/or better prices.

Chemically Competent	LU-60240-1	12 rxns (DUOs)	**208,00€HT***
	LU-60240-2	24 rxns (DUOs)	**365,60€HT***
	LU-60241-1	12 rxns (SOLOs)	**228,00€HT***
Electrocompetent	LU-60242-1	12 rxns (DUOs)	**244,00€HT***
	LU-60242-2	24 rxns (DUOs)	**426,40€HT***

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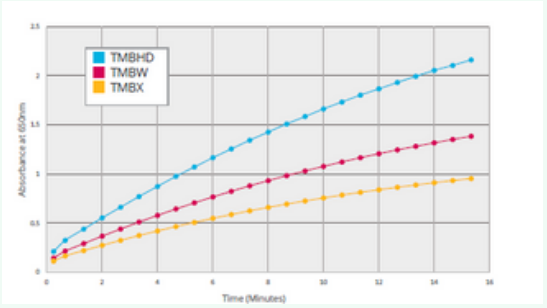
TMB PEROXIDASE SUBSTRATE

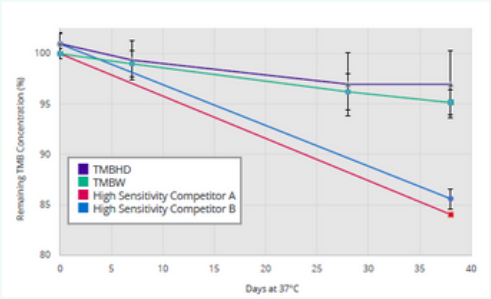
Microwell substrates

Surmodics is a leading provider of TMB peroxidase microwell substrates. These reagents are the gold standard for lot-to-lot consistency, sensitivity, stability and overall help assay developers to achieve their optimum level of detection. There are several technical advantages when using Surmodics TMB peroxidase substrates including the following:

- Best-in-Class Kinetic Range:
  - Surmodics offers a wide range of kinetic rates for your unique assay needs.
- Outstanding Signal Generation:
  - BioFX TMB substrates generate higher signal per femtogram of analyte versus other TMB substrates.
- Reliable Durability:
  - Surmodics' TMB substrates maintain robust formulation stability.
- Ease of Manufacture
  - ISO 13485:2016 & 9001:2015 certified.
  - Expect lot-to-lot consistency, reproducibility, and optimal performance.



TMBHD, TMBW, and TMBX were compared in a kinetic activity assay. 125pg/well of horseradish peroxidase was diluted into 100uL of substrate. The substrate was then monitored at 650 nm over 15 minutes.



TMBHD, TMBW, and other high sensitivity substrates were stored at 37°C for up to 38 days. During the incubation, substrates were evaluated for remaining 3,3',5,5'-tetramethylbenzidine concentration. The stressed (37°C) data was normalized against the non-stressed (Day 0) control. The remaining soluble TMB concentration (%) was then plotted over time (days).

Surmodics' TMB Peroxidase Microwell Substrates

NEW BioFX High Definition One Component HRP Microwell Substrate
Product Code: **TMBHD**
Gives maximal signal generation and low backgrounds while maintaining a long shelf life.

SU-TMBHD-0100-01	100ml	51,20€HT*
SU-TMBHD-1000-01	1l	361,60€HT*

BioFX TMB Conductivity One Component HRP Microwell Substrate
Product Code: **TMBC**
Mid-kinetic range substrate for ELISA applications.

SU-TMBC-0100-01	100ml	47,20€HT*
SU-TMBC-1000-01	1l	331,20€HT*

BioFX TMB Super Sensitive One Component HRP Microwell Substrate
Product Code: **TMBS**
Gives gigh signal generation and low backgrounds while maintaining a long shelf life.

SU-TMBS-0100-01	100ml	51,20€HT*
SU-TMBS-1000-01	1l	361,60€HT*

TMB One Component HRP Microwell Substrate
Product Code: **TMBW**
Gives the best possible tool to maximize shelf life stability and lower backgrounds while setting the industry standard for signal generation of the standard curve.

SU-TMBW-0100-01	100ml	47,20€HT*
SU-TMBW-1000-01	1l	331,20€HT*

TMB Extended Range HRP Microwell Substrate
Product Code: **TMBX**
Low-kinetic range substrate for ELISA applications.

SU-TMBX-0100-01	100ml	47,20€HT*
SU-TMBX-1000-01	1l	331,20€HT*

TMB Double Slow One Component HRP Microwell Substrate
Product Code: **TMDS**
low-kinetic range substrate for ELISA applications.

SU-TMDS-0100-01	100ml	47,20€HT*
SU-TMDS-1000-01	1l	331,20€HT*

TMB Slow Kinetic One Component HRP Microwell Substrate
Product Code: **TMSK**
mid-kinetic range substrate for ELISA applications.

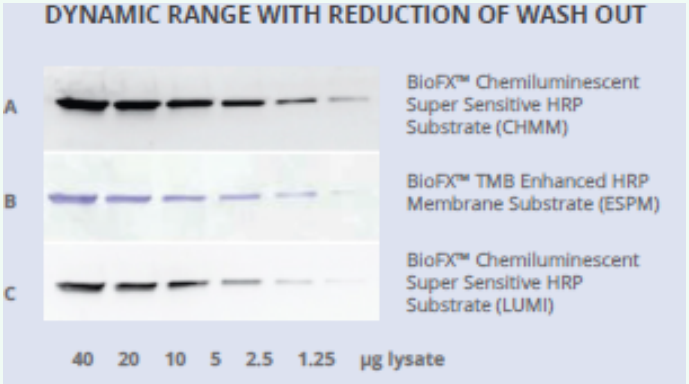
SU-TMSK-0100-01	100ml	47,20€HT*
SU-TMSK-1000-01	1l	331,20€HT*

TMB Super Slow One Component HRP Microwell Substrate
Product Code: **TTMB**
low-kinetic range substrate for ELISA applications.

SU-TTMB-0100-01	100ml	47,20€HT*
SU-TTMB-1000-01	1l	331,20€HT*

Membrane/Precipating substrates

Our TMB peroxidase membrane substrates outperform competitors for low background, stability and sensitivity.
Surmodics offers both HRP and AP formulations of membrane substrates to provide a "one stop shop" for a variety of applications including the development of point-of-care technologies, dot blots, western blots, ELISpots and more.
Our TMB peroxidase membrane substrates also offer unparalleled consistency & quality. They are manufactured under stringent conditions that minimize variation among production lots. Surmodics is an ISO 13485/9001 certified and a 21CFR820 compliant facility and is committed to delivering quality products.



TMB Enhanced HRP Membrane Substrate
Product Code: **ESPM**
- Provides an intense staining pattern for increased sensitivity.
- Surmodics' TMB Enhanced HRP Membrane Substrate (ESPM) provides extended dynamic range with reduction of wash out at higher peroxidase concentrations. ESPM demonstrates similar sensitivity to most mid-to-high level chemiluminescent substrates without the costly equipment needed for detection.

SU-ESPM-0100-01	100ml	51,20€HT*
SU-ESPM-1000-01	1l	356,00€HT*

TMB One Component HRP Membrane Substrate
Product Code: **TMBM**
- Provides increased sensitivity with low backgrounds.
- TMB One Component HRP Membrane Substrate (TMBM) staining pattern provides a dark blue precipitate with low background to increase the signal-to-noise ratios in western blot, dot blots and line assays.

SU-TMBM-0100-01	100ml	48,80€HT*
SU-TMBM-1000-01	1l	356,00€HT*

Method – NIH3T3 cell lysates: Total cell lysate was prepared, run on a 4-20% Tris-glycine gradient gel and transferred to a nitrocellulose membrane. Primary antibody (Rb x alpha-tubulin; 1:2000) and secondary antibody (Gt x Rb IgGHRP; 1:100,000) were used to detect alphatubulin. Blot B was developed with Surmodics Product Code ESPM and captured using an Epson Perfection V500 Photo Scanner. Blots A and C were developed with Surmodics Product Code CHMM and LUMI, respectively, and captured using a KODAK Gel Logic 2200 Imaging System.

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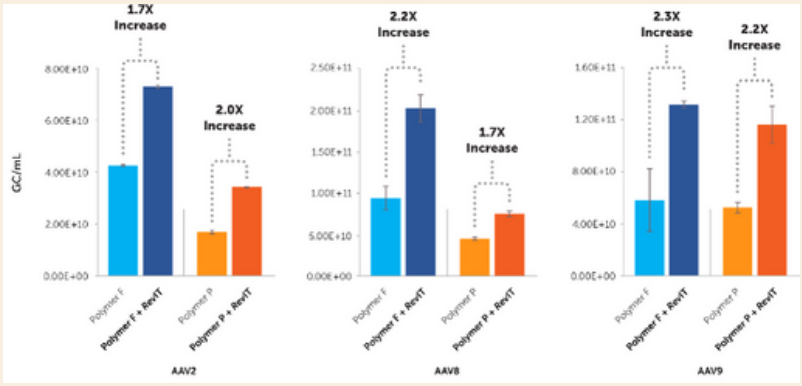
RevIT AAV Enhancer

1.5 mL (for 1 L of cell culture)

Paired with any transfection reagent, the RevIT AAV Enhancer delivers higher titers for recombinant adeno-associated virus production

This novel enhancer is **easily integrated into existing workflows**, and it produces **2-4x higher titers** across a range of serotypes, cellular growth media formulations, and transfection platforms. RevIT™ AAV Enhancer can further drive down upstream manufacturing costs by permitting the use of lower levels of plasmid DNA while maintaining high-quality titers. Continual improvements in both upstream and downstream AAV manufacturing processes will allow the next generation of gene therapies to reach a broader audience.



RevIT AAV titer enhancer improves titer across serotypes when used with polymer-only transfection reagents.

MIR8000 1,5 ml 313,65 €HT*

With scalable, consistent performance, the TransIT-VirusGEN® Transfection Reagent paired with the RevIT™ AAV Enhancer will improve the efficiency and output of your AAV production platforms.

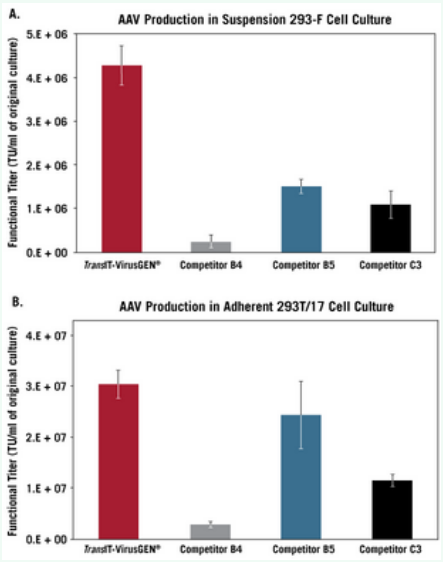
TransIT-VirusGEN Transfection Reagent

Proven Nucleic Acid Delivery for Large-Scale Virus Production

TransIT-VirusGEN® Transfection Reagent is designed to **enhance delivery** of packaging and transfer plasmids to adherent and suspension HEK 293 cell types to increase recombinant adeno-associated virus (AAV) and lentivirus production.

Key benefits of TransIT-VirusGEN® Transfection Reagent include:

- **Performance** – Efficient DNA delivery for production of high-titer viral vectors
- **Scalability** – Efficient production from < 1 ml to large scale cultures
- **Flexibility** – Compatible with different recombinant virus and cell culture systems
- **Animal Origin Free** – Fully synthetic transfection reagent formulation



TransIT-VirusGEN® Outperforms Competitor Reagents in Suspension & Adherent AAV Cell Cultures. Suspension FreeStyle™ 293-F cells grown in FreeStyle™ F17 Medium (A) or adherent 293T/17 cells (B) were transfected with pAAV-hrGFP, pAAV-RC, and pAAV-Helper (1:1:1 ratio, 1.5 µg/ml, Agilent Technologies) with the following reagents: TransIT-VirusGEN® (2:1, vol:wt), Competitor B4 (3:1), Competitor B5 (3:3:1) or 25 kDa PEI (4:1, PolySciences). Harvested virus was used to transduce HT1080 cells and GFP expression was measured 48 hours post-transduction using guava easyCyte™ 5HT Flow Cytometer. Functional titers were measured from virus dilutions with less than 20% GFP positive cells. The error bars represent the standard deviation of triplicate wells.

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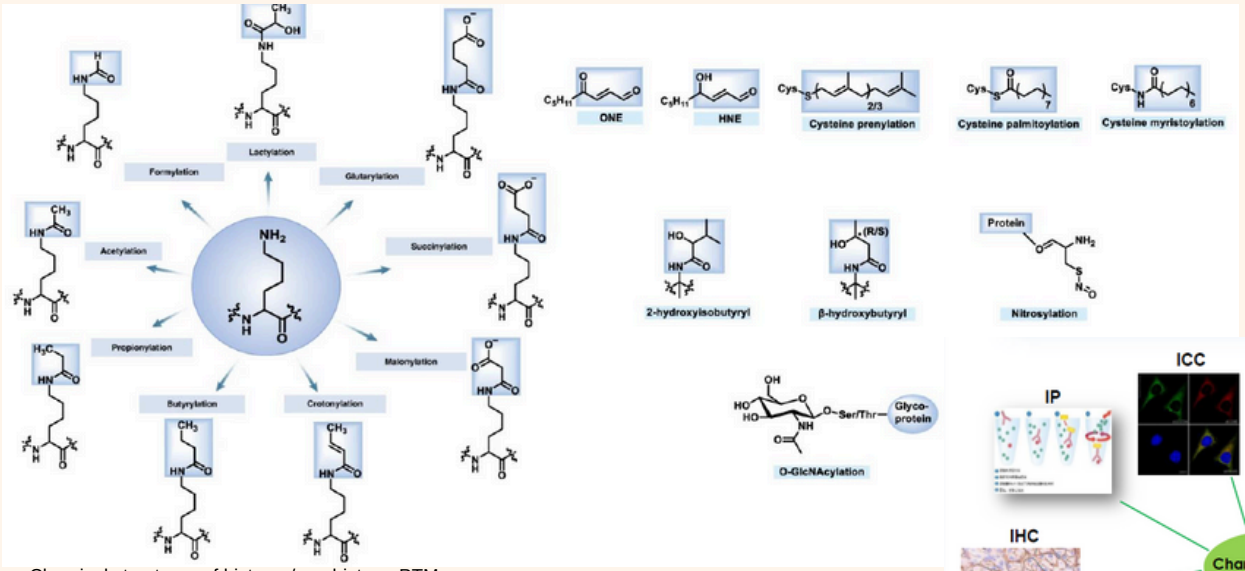

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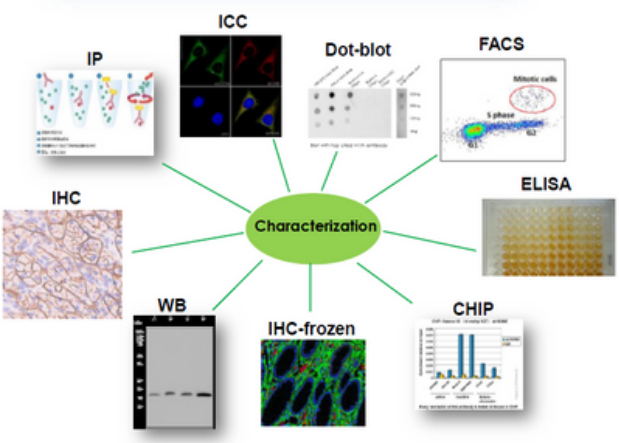

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