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2023

products highlights PCR Reagents

standard PCR reagents

StoS Taq Polymerase (5U/μl)

An highly processive, recombinant (from *E. coli* strain), thermostable DNA with 5'-3' polymerase activity. This enzyme remains functional even after prolonged incubation steps at 95°C.

CAT#	PRODUCT (For laboratory use)	SIZE
STS-T 1000	Taq Pol With 10X Reaction Buffer with MgCl ₂	1000U
STS-T 250	Taq Pol With 10X Reaction Buffer with MgCl ₂	250U
STS-Tw 1000	Taq Pol With 10X Reaction Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM)	1000U
STS-Tw 250	Taq Pol With 10X Reaction Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM)	250U

order "StoS Taq Polymerase + nucleotides" box

CAT#	PRODUCT (For laboratory use)	SIZE
STS-T 1000	Taq Pol + nucleotides (incl. 10X Reaction Buffer with MgCl ₂ + 400μl MIX dNTPs 10mM each)	1000U
STS-T 250	Taq Pol + nucleotides (incl. 10X Reaction Buffer with MgCl ₂ + 100μl MIX dNTPs 10mM each)	250U
STS-Tw 1000	Taq Pol + nucleotides (incl. 10X Reaction Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM) + 400μl MIX dNTPs 10mM each)	1000U
STS-Tw 250	Taq Pol + nucleotides (incl. 10X Reaction Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM) + 100μl MIX dNTPs 10mM each)	250U

StoS Xtra Taq Polymerase (5U/μl)

An highly processive, recombinant (from *E. coli* strain), thermostable DNA with a very high efficiency of 5'-3' polymerase activity and 3'-5' exonuclease (non-proofreading) activity. **StoS Xtra Taq Pol** catalyzes the addition of mononucleotide units to the 3'-end of a primer chain, leading to the formation of DNA products that have 3'-overhanging A nucleotides (thus can be used in TA cloning). This enzyme remains functional even after prolonged incubation steps at 95°C.

The enzyme is supplied at 5U/μl and comes with two **NEW 5X PCR** Buffers**: **5X XtraRTL** (Ready To Load) and **5X XtraWhite**. **5X XtraWhite** and **5X XtraRTL Reaction Buffers** are a Genespin proprietary formulation, developed for standard and/or high-fidelity amplification of high-GC (>75%) templates. Both buffers contain 7.5mM magnesium, PCR** enhancers and thickening agents (vortex thoroughly prior to use).

5X XtraRTL Reaction Buffer contains **Orange G dye** that allows gel loading and electrophoresis of the sample directly from the PCR** tube, without further manipulation. **5X XtraWhite** is supplied with 1ml of **6X Orange Loading Dye**.

The **Orange G dye** migrates at the same rate as a duplex DNA fragment of approximately 50 Kbp and does not interfere with DNA migration when it is used as a loading dye for agarose gel electrophoresis.

RTL

CAT#	PRODUCT (For laboratory use)	SIZE
XSTS-T5XRTL 1000	XtraTaq Pol With 5X XtraRTL Buffer with MgCl ₂	1000U
XSTS-T5XRTL 250	XtraTaq Pol With 5X XtraRTL Buffer with MgCl ₂	250U
XSTS-T5XRTLw 1000	XtraTaq Pol With 5X XtraRTL Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM)	1000U
XSTS-T5XRTLw 250	XtraTaq Pol With 5X XtraRTL Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM)	250U

white

CAT#	PRODUCT* (For laboratory use)	SIZE
XSTS-T5XW 1000	XtraTaq Pol With 5X XtraWhite Buffer with MgCl ₂	1000U
XSTS-T5XW 250	XtraTaq Pol With 5X XtraWhite Buffer with MgCl ₂	250U
XSTS-T5XWw 1000	XtraTaq Pol With 5X XtraWhite Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM)	1000U
XSTS-T5XWw 250	XtraTaq Pol With 5X XtraWhite Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM)	250U

*5X XtraWhite is supplied with 1ml of 6X Orange Loading Dye.

IF YOU ARE INTERESTED IN OLD 10X XtraTaq Buffer FOR MAINTAINING YOUR PROTOCOLS PLEASE CONTACT US AT info@genespin.com

products highlights PCR Reagents

order "StoS XtraTaq Polymerase + nucleotides" box

RTL

CAT#	PRODUCT (For laboratory use)	SIZE
XSTS-T5XRTL 1000	Taq Pol + nucleotides (incl. 5X XtraRTL Reaction Buffer with MgCl ₂ + 400μl MIX dNTPs 10mM each)	1000U
XSTS-T5XRTL 250	Taq Pol + nucleotides (incl. 5X XtraRTL Reaction Buffer with MgCl ₂ + 100μl MIX dNTPs 10mM each)	250U
XSTS-T5XRTLw 1000	Taq Pol + nucleotides (incl. 5X XtraRTL Reaction Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM) + 400μl MIX dNTPs 10mM each)	1000U
XSTS-T5XRTLw 250	Taq Pol + nucleotides (incl. 5X XtraRTL Reaction Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM) + 100μl MIX dNTPs 10mM each)	250U

white

CAT#	PRODUCT (For laboratory use)	SIZE
XSTS-T5XW 1000	Taq Pol + nucleotides (incl. 5X XtraWhite Reaction Buffer with MgCl ₂ + 400μl MIX dNTPs 10mM each)	1000U
XSTS-T5XW 250	Taq Pol + nucleotides (incl. 5X XtraWhite Reaction Buffer with MgCl ₂ + 100μl MIX dNTPs 10mM each)	250U
XSTS-T5XWw 1000	Taq Pol + nucleotides (incl. 5X XtraWhite Reaction Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM) + 400μl MIX dNTPs 10mM each)	1000U
XSTS-T5XWw 250	Taq Pol + nucleotides (incl. 5X XtraWhite Reaction Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM) + 100μl MIX dNTPs 10mM each)	250U

dNTPs and dNTPs MIX

≥ 99% (HPLC-purified) deoxyribonucleotide triphosphates (dNTPs) meeting high quality standards to give excellent performance in a variety of applications, including: PCR, Sequencing, DNA labeling, nick translation, fill-in, cDNA synthesis, TdT tailing reactions, dilution of radiolabeled dNTPs, and Site-directed mutagenesis.

dATP (100mM)	SIZE	dTTP (100mM)	SIZE
CAT# (For laboratory use)		CAT# (For laboratory use)	
STS-dATP 101	1ml	STS-dTTP 101	1ml
STS-dATP 100	100μl	STS-dTTP 100	100μl

dCTP (100mM)	SIZE	dGTP (100mM)	SIZE
CAT# (For laboratory use)		CAT# (For laboratory use)	
STS-dCTP 101	1ml	STS-dGTP 101	1ml
STS-dCTP 100	100μl	STS-dGTP 100	100μl

dNTPs (100mM)	SIZE
all four dNTPs at 100mM	
CAT# (For laboratory use)	
STS-dNTPs 101	4x1ml
STS-dNTPs 100	4x100μl

dNTPs (10mM)	SIZE
all four dNTPs at 10mM each	
CAT# (For laboratory use)	
STS-dNTPM 101	4x1ml
STS-dNTPM 100	400μl

products highlights PCR Reagents

high - fidelity PCR reagents and cloning

StoS Pfu DNA Polymerase (2U/μl)

StoS Pfu DNA Pol is a superior thermostable DNA Pol isolated from an *E. coli* strain carrying the "pol" gene from *Pyrococcus furiosus* with 5' → 3' polymerase activity and 3' → 5' exonuclease proofreading activity, i.e. it catalyzes DNA synthesis with very low error rate (about twelvetimesmore accurate than Taq Pol). However, StoS Pfu DNA Pol is slower than Taq Pol and typically requires about 1-2 min per cycle to amplify 1Kb of DNA. Using StoS Pfu DNA Pol in PCR** reactions also results in blunt-ended amplification products. StoS Pfu DNA Pol is hence superior for techniques that require high-fidelity DNA synthesis, but can also be used in conjunction with Taq Pol to obtain the fidelity of Pfu with the speed of Taq Pol activity.

CAT#	PRODUCT (For laboratory use)	SIZE
STS-P 1000	Pfu Pol With 10X Reaction Buffer with MgCl ₂	1000U
STS-P 250	Pfu Pol With 10X Reaction Buffer with MgCl ₂	250U
STS-Pw 1000	Pfu Pol With 10X Reaction Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM)	1000U
STS-Pw 250	Pfu Pol With 10X Reaction Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM)	250U

order "StoS Pfu DNA Polymerase + nucleotides" box

CAT#	PRODUCT (For laboratory use)	SIZE
STSn-P 1000	Pfu Pol + nucleotides (incl. 10X Reaction Buffer with MgCl ₂ + 400μl MIX dNTPs 10mM each)	1000U
STSn-P 250	Pfu Pol + nucleotides (incl. 10X Reaction Buffer with MgCl ₂ + 100μl MIX dNTPs 10mM each)	250U
STSn-Pw 1000	Pfu Pol + nucleotides (incl. 10X Reaction Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM) + 400μl MIX dNTPs 10mM each)	1000U
STSn-Pw 250	Pfu Pol + nucleotides (incl. 10X Reaction Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM) + 100μl MIX dNTPs 10mM each)	250U

StoS T4 DNA Ligase

StoS T4 DNA Ligase (isolated and purified from an *E. coli* strain) catalyzes the formation of a phosphodiester bond between juxtaposed 5'-phosphate and 3'-hydroxyl groups in duplex DNA or RNA. This enzyme is capable of joining adjacent nucleotides in either a blunt-ended or cohesive-ended configuration, as well as repairing single-stranded nicks in duplex DNA, RNA or DNA/RNA hybrids.

CAT#	PRODUCT (For laboratory use)	SIZE
STS-TDL 500	T4 DNA Ligase	500U
STS-TDL 100	T4 DNA Ligase	100U

products highlights PCR Reagents

reverse transcription reagents

StoS M-MLV Reverse Transcriptase

M-MLV Reverse Transcriptase is a recombinant DNA polymerase that synthesizes a complementary DNA strand from single-stranded RNA, DNA, or an RNA:DNA hybrid. Compared to AMV RT, Moloney Murine Leukemia Virus Reverse Transcriptase (M-MLV RT) lacks DNA endonuclease activity and has a lower RNase H activity.

CAT#	PRODUCT (For laboratory use)	SIZE
STS-MRT 200	M-MLV Reverse Transcriptase with 5X Buffer and 0.1mM DTT	200000U
STS-MRT 50	M-MLV Reverse Transcriptase with 5X Buffer and 0.1mM DTT	50000U
STS-MRT 10	M-MLV Reverse Transcriptase with 5X Buffer and 0.1mM DTT	10000U

StoS Random Hexamers and/or Random Octamers (100μM)

CAT#	PRODUCT (For laboratory use)	SIZE
STS-RNH	Random Hexamers	200μl (50μg)
STS-RNO	Random Octamers	200μl (50μg)

StoS Oligo dT₁₅ and/or Oligo dT₂₀ (100μM)

CAT#	PRODUCT (For laboratory use)	SIZE
STS-ODT15	Oligo dT ₁₅	200μl (50μg)
STS-ODT20	Oligo dT ₂₀	200μl (50μg)

StoS M-MLV SuperMix 5X

MMLV Mix 5X is a premixed, ready-to-use reagent (GeneSpin proprietary formulation) containing, dNTPs, MgCl₂, DDT, oligo d(T), random primers and stabilizers optimized for first strand cDNA synthesis.

StoS M-MLV Reverse Transcriptase and RNase inhibitor may be supplied directly in the SuperMix 5X or in a different tube.

The MMLV Mix 5X composition is particularly recommended for gene expression analysis in RT-PCR** and Real time RT-qPCR.**

CAT#	PRODUCT (For laboratory use)	SIZE
STS-MSXF 100	M-MLV SuperMix 5X full (5X MMLV Mix, M-MLV Reverse Transcriptase and RNase in the same tube)	100 rxs
STS-MSXF 10	M-MLV SuperMix 5X full (5X MMLV Mix, M-MLV Reverse Transcriptase and RNase in the same tube)	25 rxs
STS-MSXFw 100	M-MLV SuperMix 5X without RNase Inhibitor (5X MMLV Mix, M-MLV Reverse Transcriptase)	100 rxs
STS-MSXFw 10	M-MLV SuperMix 5X without RNase Inhibitor (5X MMLV Mix, M-MLV Reverse Transcriptase)	25 rxs
CAT#	PRODUCT (For laboratory use)	SIZE
STS-MSX 100	M-MLV SuperMix 5X + M-MLV Reverse Transcriptase (5X MMLV Mix and RNase in the same tube)	100 rxs
STS-MSX 10	M-MLV SuperMix 5X + M-MLV Reverse Transcriptase full (5X MMLV Mix and RNase in the same tube)	25 rxs
STS-MSXw 100	M-MLV SuperMix 5X + M-MLV Reverse Transcriptase (without RNase Inhibitor)	100 rxs
STS-MSXw 10	M-MLV SuperMix 5X + M-MLV Reverse Transcriptase (without RNase Inhibitor)	25 rxs

*The kit is supplied as:

- MMLV Mix 5X, 25 or 100 reactions

- MMLV Mix 5X RT- control, 10 reactions

**MMLV Mix 5X RT- contains all components of MMLV Mix 5X except reverse transcriptase. Recommended for genomic DNA carryover test using the same amount of total RNA as the reverse transcription reaction.

products highlights PCR Reagents

master mixes for PCR and real-time PCR

2X Master Mixes Standard: white and RTL (ready to load)

2X XtraWhite Master Mix and **2X XtraRTL Master Mix** (Genespin proprietary formulation), are two premixed, ready-to-use solution containing StoS Xtra-Taq Pol, dNTPs and MgCl₂ in a Reaction Buffer optimized for use in PCR** amplification of targets present in low copy number and to avoid amplification of non-specific products. Both buffers contain 3.0mM magnesium, PCR** enhancers and thickening agents (vortex thoroughly prior to use).

2X XtraRTL Master Mix contains Orange G dye that allows gel loading and electrophoresis of the sample directly from the PCR** tube, without further manipulation. **2X XtraWhite Master Mix** is supplied with appropriate quantity of 6X Loading Dye. The Orange G dye migrates at the same rate as a duplex DNA fragment of approximately 50 Kbp and does not interfere with DNA migration when it is used as a loading dye for agarose gel electrophoresis.

CAT#	PRODUCT (For laboratory use)	SIZE
STS-XMMixW* 1000	2X XtraWhite Master Mix	1000 (1000 reactions - 50ul) - 25ml
STS-XMMixW* 200	2X XtraWhite Master Mix	200 (1000 reactions - 50ul) - 5ml
STS-XMMixRTL 1000	2X XtraRTL Master Mix	1000 (1000 reactions - 50ul) - 25ml
STS-XMMixRTL 200	2X XtraRTL Mast er Mix	200 (1000 reactions - 50ul) - 5ml

* for free 6X Loading Dye

2X Master Mixes HotStart: white and RTL (ready to load)

2X Hot Start XtraWhite Master Mix and **2X Hot Start XtraRTL Master Mix** (Genespin proprietary formulation), are two premixed, ready-to-use solution containing StoS Hot Taq Pol, dNTPs and MgCl₂ in a Reaction Buffer optimized for use in PCR** amplification of targets present in low copy number and to avoid amplification of non-specific products. Both buffers contain 3.0mM magnesium, PCR** enhancers and thickening agents (vortex thoroughly prior to use).

2X Hot Start XtraWhite Master Mix and **2X Hot Start XtraRTL Master Mix** allow for specific PCR** amplification by keeping the enzyme inactive until the temperature reaches approximately 40°C, while also reducing samples preparation time as well as risk of contamination from multiple pipetting steps.

2X Hot Start XtraWhite Master Mix and **2X Hot Start XtraRTL Master Mix** allow for specific PCR** amplification by keeping the enzyme inactive until the temperature reaches approximately 40°C, while also reducing samples preparation time as well as risk of contamination from multiple pipetting steps.

CAT#	PRODUCT (For laboratory use)	SIZE
STS-HXMMixW* 1000	2X HotStart XtraWhite Master Mix	1000 (1000 reactions - 50ul) - 25ml
STS-HXMMixW* 200	2X HotStart XtraWhite Master Mix	200 (1000 reactions - 50ul) - 5ml
STS-HXMMixRTL 1000	2X HotStart XtraRTL Master Mix	1000 (1000 reactions - 50ul) - 25ml
STS-HXMMixRTL 200	2X HotStart XtraRTL Master Mix	200 (1000 reactions - 50ul) - 5ml

* for free 6X Loading Dye

products highlights PCR Reagents

2X Quantitative Master Mixes

GeneSpin Quantitative Master Mixes 2X, are 2X premixed, ready-to-use solutions (Genespin proprietary formulation) containing StoS Xtra Taq Pol, dNTPs, MgCl₂, and stabilizers optimized for use in real time PCR** amplification of DNA and cDNA.

StoS Quantitative Master Mix 2X SYBR Green contains fluorescein or ROX** for dynamic well factor collection. The addition of fluorescein or ROX has no effect on the PCR** efficiency or sensitivity of detection. StoS Quantitative Master Mix 2X is optimized for probe-based qPCR.

reference dyes	PRODUCT (For laboratory use)	tested on
for probes rox	CAT#: QSTS-RMMix	ABI prism® 7000, 7700, 7900
low rox	CAT#: QSTS-LRMMix	ABI prism® 7500
fluorescein	CAT#: QSTS-MMix	ABI prism® 7000, 7700, 7900 iCycler iQ®, MyiQ®, iQ5, CFX Connect®
sybr® green		
reference dyes		tested on
rox	CAT#: QSTS-RSMMix	ABI prism® 7000, 7700, 7900
low rox	CAT#: QSTS-LRSMMix	ABI prism® 7500
fluorescein	CAT#: QSTS-SMMix	ABI prism® 7000, 7700, 7900 iCycler iQ®, MyiQ®, iQ5, CFX Connect®

Sizes and price for each CAT# of 2X Quantitative Master Mix

SIZE	ml	€
5000 (5000 reactions - 50ul or 12500 reactions - 20ul)	125ml	3500,00
2000 (2000 reactions - 50ul or 5000 reactions - 20ul)	50ml	1500,00
1000 (1000 reactions - 50ul or 2500 reactions - 20ul)	25ml	800,00
500 (500 reactions - 50ul or 1250 reactions - 20ul)	12,5ml	450,00
200 (200 reactions - 50ul or 500 reactions - 20ul)	5ml	200,00

post PCR analysis

StoS Agarose LE (Low Electroendosmosis)

StoS Agarose LE (Low Electroendosmosis) is a purified linear galactan hydrocolloid isolated from agar or agar-bearing marine algae. As a gelling agent, specific applications include: analysis of PCR* products, separation of RNA and examination of restriction endonuclease digestions of plasmids, cosmids and λ-phage DNA.

CAT#	PRODUCT (For laboratory use)	SIZE
STS- AG1000	Agarose LE (Molecular Biology Grade), powder	1,0Kg
STS- AG 500	Agarose LE (Molecular Biology Grade), powder	0,5Kg

StoS DNA Ladders - ready to load

A unique combination of PCR products and a number of proprietary plasmids digested with appropriate restriction enzymes to yield fragments suitable for use as molecular weight standards for agarose gel electrophoresis. StoS DNA ladders are ready to load and allow quantification of your band on agarose gel.

CAT#	PRODUCT (For laboratory use)	SIZE
STS- 1Kb	DNA Ladder 1Kb	500µl
STS- 100bp	DNA Ladder 100bp	500µl

*SYBR® is a registered trademark of Molecular Probes, Inc.; ABI® is a registered trademark of Applied Biosystems Corporation; FAM™ is a trademark of Applied Biosystems Corporation; ROX™ is a trademark of Applied Biosystems Corporation; iCycler® iQ™, MyiQ™ iQ5 and CFX are trademarks of Bio-Rad Laboratories.

**The PCR process, which is the subject of European Pat. Nos. 201,184 and 200,362 owned by Hoffmann-La Roche®, is covered by patents issued and applicable in certain countries. GeneSpin does not encourage or support the unauthorized or unlicensed use of the PCR process. Use of this product is recommended for persons that either have a license to perform PCR or are not required to obtain a license.

* The above primary European Pat. Nos. 201,184 and 200,362 expired on March 28, 2006.
In the U.S., the patents covering the foundational PCR process expired on March 29, 2005.

StoS 6X Orange Loading Buffer

6X Orange Loading Buffer is formulated to facilitate loading of DNA containing samples into the wells of unstained agarose gels. The buffers contain tracking dyes as indicator for DNA fragment migration. In addition, they contain glycerol to add density and EDTA to inhibit nuclease activities.

CAT#	PRODUCT (For laboratory use)	SIZE
STS-6XOLB	6X Orange Loading Buffer	4x1ml

PCR reagents - green line

StoS XtraTaq Polymerase GL (5U/μl)

An highly processive, recombinant (from *E. coli* strain), thermostable DNA with a very high efficiency of 5'-3' polymerase activity and 3'-5' exonuclease (non-proofreading) activity. **StoS XtraTaq Pol** catalyzes the addition of mononucleotide units to the 3'-end of a primer chain, leading to the formation of DNA products that have 3'-overhanging A nucleotides (thus can be used in TA cloning). This enzyme remains functional even after prolonged incubation steps at 95°C.

The enzyme is supplied at 5U/μl and comes with two **NEW 5X PCR** Buffers**: **5X XtraRTL GL** (Ready To Load) and **5X XtraWhite GL**. **5X XtraWhite GL** and **5X XtraRTL GL Reaction Buffers** are a Genespin proprietary formulation, developed for standard and/or high-fidelity amplification of high-GC (>75%) templates. Both buffers contain 7.5mM magnesium, PCR** enhancers and thickening agents (vortex thoroughly prior to use). **5X Xtra White GL and 5X XtraRTL GL contains an internal fluorescent stain for DNA detection on Agarose gel directly after PCR amplification.**

5X XtraRTL GL Reaction Buffer contains Orange G dye that allows gel loading and electrophoresis of the sample directly from the PCR** tube, without further manipulation. **5X XtraWhite** is supplied with 1ml of 6X Orange Loading Dye.

The Orange G dye migrates at the same rate as a duplex DNA fragment of approximately 50 Kbp and does not interfere with DNA migration when it is used as a loading dye for agarose gel electrophoresis.

RTL

white

CAT#	PRODUCT (For laboratory use)
XSTS-T5XRTL 1000 GL	XtraTaq Pol With 5X XtraRTL Buffer with MgCl ₂
XSTS-T5XRTL 250 GL	XtraTaq Pol With 5X XtraRTL Buffer with MgCl ₂
XSTS-T5XRTLw 1000 GL	XtraTaq Pol With 5X XtraRTL Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM)
XSTS-T5XRTLw 250 GL	XtraTaq Pol With 5X XtraRTL Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM)

CAT#	PRODUCT* (For laboratory use)
XSTS-T5XW 1000 GL	XtraTaq Pol With 5X XtraWhite Buffer with MgCl ₂
XSTS-T5XW 250 GL	XtraTaq Pol With 5X XtraWhite Buffer with MgCl ₂
XSTS-T5XWw 1000 GL	XtraTaq Pol With 5X XtraWhite Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM)
XSTS-T5XWw 250 GL	XtraTaq Pol With 5X XtraWhite Buffer w/o MgCl ₂ + MgCl ₂ stock solution (50mM)

master mixes for PCR - green line

2X Master Mixes Standard GL: white and RTL (ready to load)

2X XtraWhite Master Mix GL and **2X XtraRTL Master Mix GL** (Genespin proprietary formulation), are two premixed, ready-to-use solution containing StoS XtraTaq Pol, dNTPs and MgCl₂ in a Reaction Buffer optimized for use in PCR** amplification of targets present in low copy number and to avoid amplification of non-specific products. Both buffers contain 3.0mM magnesium, PCR** enhancers and thickening agents (vortex thoroughly prior to use). **2X Master Mix Standard GL contain an internal fluorescent stain for DNA detection on Agarose gel directly after PCR amplification.**

2X XtraRTL Master Mix contains Orange G dye that allows gel loading and electrophoresis of the sample directly from the PCR** tube, without further manipulation. **2X XtraWhite Master Mix** is supplied with appropriate quantity of 6X Loading Dye. The Orange G dye migrates at the same rate as a duplex DNA fragment of approximately 50 Kbp and does not interfere with DNA migration when it is used as a loading dye for agarose gel electrophoresis.

CAT#	PRODUCT (For laboratory use)	SIZE
STS-XMMixW* 1000 GL	2X XtraWhite Master Mix	1000 (1000 reactions - 50ul) - 25ml
STS-XMMixW* 200 GL	2X XtraWhite Master Mix	200 (1000 reactions - 50ul) - 5ml
STS-XMMixRTL 1000 GL	2X XtraRTL Master Mix	1000 (1000 reactions - 50ul) - 25ml
STS-XMMixRTL 200 GL	2X XtraRTL Mast er Mix	200 (1000 reactions - 50ul) - 5ml

* for free 6X Loading Dye

2X Master Mixes HotStart GL: white and RTL (ready to load)

2X Hot Start XtraWhite Master Mix GL and **2X Hot Start XtraRTL Master Mix GL** (Genespin proprietary formulation), are two premixed, ready-to-use solution containing StoS Hot Taq Pol, dNTPs and MgCl₂ in a Reaction Buffer optimized for use in PCR** amplification of targets present in low copy number and to avoid amplification of non-specific products. Both buffers contain 3.0mM magnesium, PCR** enhancers and thickening agents (vortex thoroughly prior to use). **2X Master Mix Hot Start GL contain an internal fluorescent stain for DNA detection on Agarose gel directly after PCR amplification.**

2X Hot Start XtraWhite Master Mix GL and **2X Hot Start XtraRTL Master Mix GL** allow for specific PCR** amplification by keeping the enzyme inactive until the temperature reaches approximately 40°C, while also reducing samples preparation time as well as risk of contamination from multiple pipetting steps.

2X Hot Start XtraRTL Master Mix contains Orange G dye that allows gel loading and electrophoresis of the sample directly from the PCR** tube, without further manipulation. **2X Hot Start XtraWhite Master Mix** is supplied with appropriate quantity of 6X Loading Dye. The Orange G dye migrates at the same rate as a duplex DNA fragment of approximately 50 Kbp and does not interfere with DNA

CAT#	PRODUCT (For laboratory use)	SIZE
STS-HXMMixW* 1000 GL	2X HotStart XtraWhite Master Mix	1000 (1000 reactions - 50ul) - 25ml
STS-HXMMixW* 200 GL	2X HotStart XtraWhite Master Mix	200 (1000 reactions - 50ul) - 5ml
STS-HXMMixRTL 1000 GL	2X HotStart XtraRTL Master Mix	1000 (1000 reactions - 50ul) - 25ml
STS-HXMMixRTL 200 GL	2X HotStart XtraRTL Master Mix	200 (1000 reactions - 50ul) - 5ml

* for free 6X Loading Dye

post PCR analysis - green line

StoS DNA Ladders GL - ready to load

A unique combination of PCR products and a number of proprietary plasmids digested with appropriate restriction enzymes to yield fragments suitable for use as molecular weight standards for agarose gel electrophoresis. The ladder is supplied in a ready-to-use format containing the fluorescent DNA stain and tracking dyes. High quantum yield and excellent stability make the fluorescence dye the ideal fluorophore for DNA staining applications and a superior replacement for the widely used dyes, ethidium bromide or SYBR® Green I.

DNA ladders are ready to load and allow quantification of your band on agarose gel.

CAT#	PRODUCT (For laboratory use)	SIZE
STS-1Kb GL	DNA Ladder 1Kb	600μl
STS-100bp GL	DNA Ladder 100bp	600μl

StoS 6X Orange Loading Buffer GL

6X Orange Loading Buffer GL is formulated to facilitate loading of DNA containing samples into the wells of unstained agarose gels. The buffers contain tracking dyes as indicator for DNA fragment migration. In addition, they contain glycerol to add density and EDTA to inhibit nuclease activities.

CAT#	PRODUCT (For laboratory use)	SIZE
STS-6XOLB GL	6X Orange Loading Buffer GL	4x1ml

Molecular Biology Reagents

products highlights

standard reagents

	Cat #	SIZE
Molecular Grade Water	STS-W 1L	1L
	STS-W 4L	4L
TAE 10X Solution	STS-TAE 1	1L
	STS-TAE 4	4L
TBE 5X Solution	STS-TBE 1	1L
	STS-TBE 5	5L
DTT (Dithiothreitol)	STS-DTT 5	5g
	STS-DTT 10	10g
	STS-DTT 25	25g
	STS-DTT 100	100g
PMSF	STS-PMSF 5	5g
	STS-PMSF 10	10g
	STS-PMSF 25	25g
Proteinase k, powder	STS-PK 100	100mg
	STS-PK 500	500mg
IPTG, powder	STS-IPTG 1	1g
	STS-IPTG 5	5g
	STS-IPTG 10	10g
	STS-IPTG 25	25g
ONPG, powder	STS-ONPG 5	5g
	STS-ONPG 25	25g
X-Gal, powder	STS-XGAL 1	1g
	STS-XGAL 5	5g
X-Gal, solution 10mg/ml	STS-XGAL 10	10g
	STS-XGALSOL 100	100ml

Plant Biology Reagents

products highlights

standard reagents

	Cat #	SIZE
Agar High Gel Strenght- Powder	STS-AGP 500	500g
	STS-AGP 1000	1Kg
Agar High Gel Strenght- Granulated	STS-AGP 5000	5Kg
	STS-AGG 500	500g
	STS-AGG 1000	1Kg
	STS-AGG 5000	5Kg
Agar PHYTO	STS-AGPH 1	1Kg
Agar PLANT	STS-AGPL 1	1Kg
Agar DAISHIN	STS-AGDA 1	1Kg
6-Benzylaminopurine	STS-6BZA 5	5g
	STS-6BZA 25	25g
Calcium Gluconate Monohydrate	STS-CGT 250	250g
	STS-CGT 1000	1Kg
Carbenicillin Disodium Salt	STS-CAR 5	5g
	STS-CAR 25	25g
Cefotaxime Sodium Salt	STS-CFX 1	1g
	STS-CFX 5	5g
	STS-CFX 25	25g
Cellulase	STS-CLL 1	1g
	STS-CLL 10	10g
Cellulase RS	STS-CLLRS 1	1g
	STS-CLLRS 10	10g
Chloranphenicol	STS-CHL 25	25g
	STS-CHL 100	100g
Dextran	STS-DEX 10	10g
	STS-DEX 50	50g
	STS-DEX 100	100g
2,4-Dichlorophenoxy	STS-24D 100	100g
	STS-24D 250	250g
G418 Disulphate Powder	STS-G418 1	1g
	STS-G418 5	5g
	STS-G418 25	25g
G418 Disulphate Solution 50mg/ml	STS-G418S 10	10ml
	STS-G418S 50	50ml
Gamborg's B5 Medium	STS-GB5 25	25L
	STS-GB5 50	50L
Gamborg's B5 Medium WITH VITAMINS	STS-GB5V 25	25L
	STS-GB5V 50	50L
Gelrite™	STS-GRT 250	250g
	STS-GRT 1000	1Kg
	STS-GRT 5000	5Kg

	Cat #	SIZE
Gentamicin Sulphate	STS-GENT 1	1g
	STS-GENT 5	5g
	STS-GENT 10	10g
	STS-GENT 25	25g
Gibberellin Acid A3	STS-GAA3 1	1g
	STS-GAA3 5	5g
Hygromycin B	STS-HY 1	1g
	STS-I3AA 5	5g
Indole-3-acetic acid	STS-I3AA 25	25g
	STS-JSM 250	250mg
(±)-Jasmonic acid	STS-KANA 5	5g
	STS-KANA 10	10g
	STS-KANA 25 2	5g
	STS-MR10 1	1g
Macerozyme R-10	STS-MR10 5	5g
	STS-MUG 100	100mg
MUG	STS-MUG 1	1g
	STS-NEOSU 25	25g
Neomycin Sulphate	STS-NEOSU 100	100g
	STS-NAG 500	500g
Nutrient Agar	STS-NAG 1000	1Kg
	STS-NB 1000	1Kg
Nutrient Broth	STS-NB 5000	5Kg
	STS-NYS 5	5g
Nystatin	STS-PARO 5	5g
	STS-PARO 25	25g
Paromomycin Sulphate	STS-DRF 25	25g
	STS-DRF 100	100g
D-(+)-Raffinose Pentahydrate	STS-RIFA 5	5g
	STS-RIFA 25	25g
Rifampicin	STS-STRE 50	50g
	STS-STRE 100	100g
Streptomycin Sulphate	STS-VNC 1	1g
	STS-VNC 5	5g
Vancomycin HCl	STS-XGLA 100	100mg
	STS-XGLA 250	250mg
X-GlcA Cyclohexyl ammonium salt	STS-XGLA 1000	1g
	STS-ZR 25	25mg
Zeatin Riboside	STS-ZR 100	100mg

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Biological Buffers products highlights

standard reagents

	Cat #	SIZE
ACES	STS-ACS 500	100g
	STS-ACS 1000	500g
ADA	STS-ADA 25	25g
	STS-ADA 100	100g
AMPSO	STS-AMPS 25	25g
	STS-AMPS 100	100g
BES	STS-BES 25	25g
	STS-BES 250	250g
BICINE Ultra Pure	STS-BICUP 100	100g
	STS-BICUP 500	500g
Boric Acid	STS-BA 1	1Kg
	STS-BA 5	5Kg
CHAPS	STS-CHA 5	5g
	STS-CHA 25	25g
CHES	STS-CHE 100	100g
	STS-CHE 500	500g
Citric Acid Anhydrous	STS-CiA 500	500g
	STS-CiA 5000	5Kg
DIPSO	STS-DIP 25	25g
	STS-DIP 100	100g
Glycine free base	STS-GLY 1000	1Kg
	STS-GLY 5000	5Kg
Glycylglycine	STS-GLYG 100	100g
	STS-GLYG 1000	1Kg
HEPES	STS-HEP 100	100g
	STS-HEP 250	250g
	STS-HEP 500	500g
	STS-HEP 1000	1Kg
HEPES Sodium Salt	STS-HEPS 100	100g
	STS-HEPS 500	500g
	STS-HEPS 1000	1Kg
HEPPS	STS-HEPP 25	25g
	STS-HEPP 100	100g
Imidazole	STS-IMI 10	10g
	STS-IMI 100	100g
MES	STS-MES 50	50g
	STS-MES 250	250g
	STS-MES 1000	1Kg
Molecular Grade Water	STS-W 1	1L
	STS-W 4	4L
MOPS	STS-MPS 100	100g
	STS-MPS 250	250g
	STS-MPS 500	500g
	STS-MPS 1000	1Kg

	Cat #	SIZE
MOPSO	STS-MPSO 25	25g
	STS-MPSO 100	100g
PBS 1X Sterile Solution	STS PBSS 1	1L
PBS 10X Solution	STS-PBS 1	1L
	STS-PBS 4	4L
PBS 100mL TABLETS	STS-PBST	100 tablets
PIPES	STS-PIP 50	50g
	STS-PIP 100	100g
	STS-PIP 250	250g
	STS-PIP 500	500g
POPSO	STS-POP 25	25g
	STS-POP 100	100g
Potassium Chloride	STS-PCH 1000	1Kg
	STS-PCH 2500	2,5Kg
Sodium Acetate Anhydrous	STS-SAH 1000	1Kg
	STS-SAH 5000	5Kg
Sodium Chloride	STS-SCH 1000	1Kg
	STS-SCH 5000	5Kg
Sodium Citrate trisodium salt, dihydrate	STS-SCDH 1000	1Kg
	STS-SCDH 5000	5Kg
Sodium Phosphate dibasic, anhydrous	STS-SPH 500	500g
	STS-SPH 1000	1Kg
TAPS	STS-TAPS 100	100g
	STS-TAPS 500	500g
TES	STS-TES 25	25g
	STS-TES 500	500g
Tricine Ultra Pure	STS-TRUP 100	100g
	STS-TRUP 500	500g
bis-TRIS	STS-bT 100	100g
	STS-bT 500	500g
TRIS ULTRA PURE	STS-TRS 1000	1Kg
	STS-TRS 5000	5Kg
	STS-TRS 25000	25Kg
TRIS HCl	STS-TRSH 500	500g
	STS-TRSH 1000	1Kg
	STS-TRSH 5000	5Kg

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products highlights

Protein Detection

standard reagents

Protein Marker

StoS Protein Marker is a three-color protein standard with 12 pre-stained proteins covering a wide range molecular weights from 10 to 245 kDa. Proteins are covalently coupled with a blue chromophore except for two reference bands (one green and one red band at 25 kDa and 75 kDa respectively) when separated on SDS-PAGE (Tris-glycine buffer). The StoS Protein Marker is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis, verification of Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for approximating the size of proteins. The ladder is supplied in gel loading buffer and is ready to use.

CAT#	PRODUCT (For laboratory use)	SIZE
STS- PM	Protein Marker	500ul

Low Fat Dry MILK, powder

CAT#	PRODUCT (For laboratory use)	SIZE
STS- M500	Low FAT dry Milk, powder	500g

Coomassie Stain, solution (ethanol, methanol, acetic acid-free)

CAT#	PRODUCT (For laboratory use)	SIZE
STS- CS500	Coomassie Stain	500ml

Protein A, resin

CAT#	PRODUCT (For laboratory use)	SIZE
STS- PA	Protein A resin	10ml (50% ethanol)

Protein G, resin

CAT#	PRODUCT (For laboratory use)	SIZE
STS- PA	Protein A resin	10ml (50% ethanol)

protein detection system

PDS - Protein Detection System

StoS PDS reagents are high sensitive enhanced substrate for detecting horseradish peroxidase (HRP) on immunoblots. The extremely intense output signal enables detection of picogram amounts of antigen with different exposure times. The sensitivity, intensity and duration of the signal allow for detection of HRP using photographic or other imaging methods. Blots can also be repeatedly exposed to film to obtain optimal results or stripped of the immunodetection reagents and reprobed.

CAT#	PRODUCT (For laboratory use)	SIZE
STS- E500	PDS	(peroxide solution, 250ml + enhancer solution, 250 ml) 500ml
STS- EOT250	PDS Over Time	(peroxide solution, 100µl + enhancer solution, 250 ml) 250ml

Cell culture & Transfection

cytokines

Cytokines

Leukemia Inhibiting Factor (LIF) is a pleiotropic cytokine of the interleukin-6 family with different biological actions in various tissue systems, including modulation of cell growth and differentiation. Although named for its ability to inhibit proliferation of a myeloid leukemic cell line by inducing differentiation, it also regulates the growth and differentiation of embryonic stem cells, primordial germ cells, peripheral neurons, osteoblasts, adipocytes, and endothelial cells.

CAT#	PRODUCT (For laboratory use)	SIZE
STS-LIF 100	LIF - (Murine Recombinant Leukemia Inhibiting Factor)	10*7 U
STS-LIF 50	LIF - (Murine Recombinant Leukemia Inhibiting Factor)	5x10*6 U
STS-LIF 10	LIF - (Murine Recombinant Leukemia Inhibiting Factor)	10*6 U

transfection

Transfection

GeneSpin developed StoS Transfection KIT, a powerful transfection tool that ensures effective and reproducible transfection of both human and mouse cell lines, as well as primary cells, with low toxicity. StoS Transfection KIT is provided in a 10x solution.

CAT#	PRODUCT (For laboratory use)	SIZE
STS-TK 1x4	Transfection Kit (2000 transfections in 24-well plates)	4 x 1ml
STS-TK 0.5	Transfection Kit (250 transfections in 24-well plates)	100ul

Electrophoresis chemicals

standard reagents

	Cat #	SIZE
Agarose LE , powder (Molecular Biology Grade)	STS-AG 1000	1Kg
Acrylamide, 40% solution	STS-AC	500ml
bis-Acrylamide, 2% Solution	STS-ACBIS	100ml
Acrylamide/ bis-Acrylamide 37.5:1 Solution	STS-AC3751	500ml
SDS (Sodium Dodecyl Sulphate)	STS-SDS 100	100g
	STS-SDS 500	500g
	STS-SDS 1000	1Kg
Ammonium Persulphate	STS-APS 100	100g
	STS-APS 500	500g
Temed	STS-TE 25	25ml
	STS-TE 100	100ml
Glycerol 100% Solution	STS-GL 1000	1L
	STS-GL 5000	5L
TAE 10X Solution	STS-TAE 1	1L
	STS-TAE 4	4L
TBE 5X Solution	STS-TBE 1	1L
	STS-TBE 5	5L
TBS 10X Solution	STS-TBS 1	1L
	STS-TBS 4	4L
Tween® 20	STS-TW20	100ml

IF YOU ARE INTERESTED IN A REAGENT NOT IN THE LIST ABOVE YOU CAN CONTACT US AT info@genespin.com

Bacteria & Yeast Growth Media

standard reagents

	Cat #	SIZE
Bacteriological Agar (Molecular Biology Grade)	STS-AGAR 500	500g
	STS-AGAR 1000	1Kg
	STS-AGAR 5000	5Kg
LB Broth Lennox - low salt formula, powder	STS-LBL	1Kg
	STS-LBM	1Kg
LB Broth Miller's - low salt formula, powder	STS-PEP 500	500g
	STS-PEP 1000	1Kg
Peptone powder	STS-PEP 5000	5Kg
	STS-TRY 500	500g
	STS-TRY 1000	1Kg
Tryptone powder	STS-TRY 5000	5Kg
	STS-TRY 5000	5Kg
Yeast Extract powder	STS-YE 500	500g
	STS-YE 1000	1Kg
	STS-YE 5000	5Kg
	STS-YE 5000	5Kg
Yeast Nitrogen Base w/o aa	STS-YNBwAA 500	500g
	STS-RFP 1000	1Kg
D-(+)-Raffinose Pentahydrate	STS-RFP 5000	5Kg
	STS-GLTS 1000	1Kg
D-(+)-Galactose	STS-GLTS 1000	1Kg
	STS-GLTS 5000	5Kg

Antibiotics for research

antibiotics list

	Cat #
Actinomycin D	STS-ACTM 5
Amoxicillin Trihydrate	STS-AMX 10
	STS-AMX 25
Amphotericin B Powder	STS-APHBP 5
	STS-APHBP 10
Amphotericin B Solution	STS-APHBS 5
	STS-APHBS 10
Ampicillin Sodium Salt	STS-AMP 5
	STS-AMP 25
Apramycin Sulphate	STS-APR 5
	STS-APR 10
	STS-APR 25
Augmentin™	STS-AUG 10
	STS-AUG 25
Bacitracin	STS-BAC 5
	STS-BAC 25
Blasticidin S HCl Powder	STS-BLA 20
	STS-BLA 21

IF YOU ARE INTERESTED IN A REAGENT NOT IN THE LIST ABOVE YOU CAN CONTACT US AT info@genespin.com

	Cat #	SIZE
Blasticidin S HCl Solution 10mg/ml	STS-BLAS 20	20mg
	STS-BLAS 21	100mg
Bleomycin Sulphate	STS-BLEO 15	15mg
	STS-CAR 1	1g
Carbenicillin Disodium Salt	STS-CAR 5	5g
	STS-CAR 25	25g
	STS-CFP 1	1g
Cefoperazone Sodium Salt	STS-CFP 5	5g
	STS-CFX 1	1g
Cefotaxime Sodium Salt	STS-CFX 5	5g
	STS-CFX 25	25g
	STS-CFD 100	100mg
Cefsulodin Sodium Salt	STS-CFD 101	1g
	STS-CHOR 25	25g
Chloramphenicol	STS-CHOR 100	100g
	STS-CHT 25	25g
Chlortetracycline HCl	STS-CHT 100	100g
	STS-CLI 1	1g
Clindamycin HCl	STS-COL 1	1g
	STS-COL 5	5g
Colistin Sulphate	STS-CYC 1	1g
	STS-CYC 5	5g
	STS-CYSR 5	5g
D-Cycloserine	STS-DOXO 10	10mg
Doxorubicin HCl	STS-DOXY 10	10g
	STS-DOXY 25	25g
	STS-DOXY 100	100g
Doxycycline HCl	STS-ERY 10	10g
	STS-ERY 25	25g
	STS-G418 1	1g
Erythromycin	STS-G418 5	5g
	STS-G418 25	25g
	STS-G418S 10	10ml
G418 Disulphate Powder	STS-G418S 50	50ml
	STS-GENT 1	1g
Gentamicin Sulphate	STS-GENT 5	5g
	STS-GENT 10	10g
	STS-GENT 25	25g
	STS-HY 1	1g
Hygromycin B	STS-KANA 5	5g
	STS-KANA 10	10g
	STS-KANA 25	25g
Kanamycin Monosulphate	STS-MITOC 2	2mg
	STS-MITOC 10	10mg
Mitomycin C	STS-NEOSU 25	25g
	STS-NEOSU 100	100g
	STS-NYS 5	5g
Nystatin	STS-PARO 5	5g
	STS-PARO 25	25g
Paromomycin Sulphate	STS-PEN 5	5g
	STS-PEN 25	25g
	STS-PEN 100	100g
Pennicillin G		

	Cat #	SIZE
Phleomycin	STS-PHL 25	25mg
	STS-PHL 100	100mg
	STS-PHL 250	250mg
Polymixin B Sulphate	STS-POB 1	1g
	STS-POB 5	5g
Puromycin Dihydrochloride	STS-PUR 25	25mg
	STS-PUR 100	100mg
	STS-PUR 500	500mg
	STS-RIFA 5	5g
Rifampicin	STS-RIFA 25	25g
	STS-SPE 5	5g
Spectinomycin Dihydrochloride pent. Dihydrochloride pentahydrate	STS-SPE 25	25g
	STS-STRE 50	50g
Streptomycin Sulphate	STS-STRE 100	100g
	STS-TET 25	25g
Tetracycline HCl	STS-TET 100	100g
	STS-TIC 5	5g
Ticarcillin Disodium Salt	STS-TIC 25	25g
	STS-TIM 2	2g
Timentin™	STS-TIM 10	10g
	STS-TIM 25	25g
	STS-TBR 1	1g
Tobramycin Sulphate	STS-TBR 5	5g
	STS-TRM 5	5g
Trimethoprim	STS-TRM 25	25g
	STS-TRML 250	250mg
Trimethoprim Lactate	STS-VLD 1	1g
Validamycin A	STS-VNC 1	1g
	STS-VNC 5	5g
Vancomycin HCl	STS-ZEO 250	250mg
	STS-ZEO 251	1g
Zeocin™		

Protease & Phosphatase products highlights

protease inhibitors cocktails

Protease Inhibitor Cocktail I - for general use

Cat # SIZE
 STS-PIC1 1ml (100x)
 Specificity: Serine Proteases, Esterases, Cysteine Proteases, Metalloproteases and Tripsin like Proteases
 Contains: AEBSF, Aprotinin, E-64, EDTA, Leupeptin

Protease Inhibitor Cocktail I - Animal free - for general use

Cat # SIZE
 STS-PIC1AF 1ml (100x)
 Specificity: Serine Proteases, Esterases, Cysteine Proteases, Metalloproteases and Tripsin like
 Contains: AEBSF, Aprotinin (recombinant), E-64, EDTA, Leupeptin

Protease Inhibitor Cocktail II - for Bacterial and Cell Extracts

Cat # SIZE
 STS-PIC2BCE 1ml (100x)
 Specificity: Serine Proteases, Aminopeptidases, Cysteine Proteases, Metalloproteases and Aspartic Proteases
 Contains: AEBSF, Bestatin, E-64, EDTA, Pepstatin A

Protease Inhibitor Cocktail III - for Mammalian Cells

Cat # SIZE
 STS-PIC3MC 1ml (100x)
 Specificity: Serine Proteases, Cysteine Proteases, Tripsin like proteases, Aspartic Proteases, Aminopeptidases
 Contains: AEBSF, Aprotinin, Bestatin, E-64, Leupeptin, Pepstatin A

Protease Inhibitor Cocktail III - Animal free - for Mammalian Cells

Cat # SIZE
 STS-PIC3MCAF 1ml (100x)
 Specificity: Serine Proteases, Cysteine Proteases, Tripsin like proteases, Aspartic Proteases, Aminopeptidases
 Contains: AEBSF, Aprotinin (recombinant), Bestatin, E-64, Leupeptin, Pepstatin A

Protease Inhibitor Cocktail IV - for Fungal & Yeast Extract

Cat # SIZE
 STS-PIC4FYE 1ml (100x)
 Specificity: Serine Proteases, Cysteine Proteases, Aspartic Proteases, Metalloproteases
 Contains: AEBSF, E-64, Leupeptin, Pepstatin A, 1,10Phenanthroline

Protease Inhibitor Cocktail V - EDTA free

Cat # SIZE
 STS-PIC5EF 1ml (100x)
 Specificity: Serine Proteases, Cysteine Proteases, Tripsin like proteases
 Contains: AEBSF, Aprotinin, E-64, Leupeptin

Protease Inhibitor Cocktail V - Animal free EDTA free

Cat # SIZE
 STS-PIC5AFEF 1ml (100x)
 Specificity: Serine Proteases, Cysteine Proteases, Tripsin like proteases
 Contains: AEBSF, Aprotinin, E-64, Leupeptin

Protease Inhibitor Cocktail VI - for Plant Cell extract

Cat # SIZE
 STS-PIC6PCE 1ml (100x)
 Specificity: Serine Proteases, Aminopeptidases, Cysteine Proteases, Aspartic Proteases, Metalloproteases
 Contains: AEBSF, Bestatin, E-64, Leupeptin, Pepstatin A, 1,10Phenanthroline

Protease Inhibitor Cocktail VII - for His-Tag® sequences

Cat # SIZE
 STS-PIC7HT 1ml (100x)
 Specificity: Serine Proteases, Cysteine Proteases, Aspartic Proteases, Aminopeptidases, Metalloproteases
 Contains: AEBSF, Bestatin, E-64, Pepstatin A, Phosphoramidom

Protease Inhibitor Cocktail VIII - for Broad Range Cysteine Proteases

Cat # SIZE
 STS-PIC8CP 1ml (100x)
 Specificity: Calpain I/II, Cathespin A/B, Cathespin L/S, Papain, Cysteine Proteases
 Contains: ALLN, Antipain, E-64

Serine Inhibitor Cocktail I - for Broad Range Serine Proteases

Cat # SIZE
 STS-SICI 1ml (100x)
 Specificity: Chymotrypsin, Kallikrein, Plasmin, Thrombin, Trypsin, Elastase, Urokinase, Factor Xa
 Contains: AEBSF, Aprotinin, Elastatinal, GGACK

phosphatase inhibitors cocktails

Phosphatase Inhibitor Cocktail I - for general use

Cat # SIZE
 STS-PHIC1 1ml (100x)
 Specificity: Alkaline Phosphatases, Ser/Thr Phosphatases 1 and 2A(PP-1 and PP-2)
 Contains: (-)-p-Bromotetramosole oxalate, Cantharidin, Microcystin LR, Microcystis aeruginosa

Phosphatase Inhibitor Cocktail II - for general use

Cat # SIZE
 STS-PHIC2 1ml (100x)
 Specificity: Tyrosine Phosphatases, Acid Phosphatases and Alkaline Phosphatases
 Contains: Imidazole, Sodium Fluoride, Sodium Molybdate, Sodium Orthovanadate, Sodium Tartrate, dihydrate

Phosphatase Inhibitor Cocktail III - for general use

Cat # SIZE
 STS-PHIC3 1ml (100x)
 Specificity: Ser/Thr Phosphatases and Protein Tyrosine Phosphatases
 Contains: Sodium Fluoride, Sodium Orthovanadate, Sodium Pyrophosphate, decahydrate, β-Glycerophosphate

Phosphatase Inhibitor Cocktail II - for general use

Cat # SIZE
 STS-PHIC4 1ml (100x)
 Specificity: Alkaline Phosphatases, Protein Phosphatases 1 and 2A(PP-1 and PP-2)
 Contains: (-)-p-Bromotetramosole oxalate, Cantharidin, Calyculin A, Discodermia calyx

phosphatase inhibitors cocktails

	Cat #	SIZE
AEBSF	STS-AEBSF 100	100mg
	STS-AEBSF 500	500mg
Antipain Dihydrochloride	STS-ANT 5	5mg
Aprotinin	STS-AP 10	10mg
	STS-AP 50	50mg
Benzamidine HCl	STS-BEN 25	25g
	STS-BEN 100	100g
Bestatin HCl	STS-BE 10	10mg
(-)-p-Bromotetramosole oxalate	STS-pBO 5	5g
	STS-pBO 25	25g
Cantharidin	STS-CTHR 10	10mg
	STS-CTHR 25	25mg
Chymostatin	STS-CHY 5	5mg
E-64	STS-E64 5	5mg
EDTA	STS-EDTA 250	250g
	STS-EDTA 500	500g
	STS-EDTA 1000	1Kg
	STS-EDTA 5000	5Kg
Imidazole	STS-IMI 10	10g
	STS-IMI 100	100g
Leupeptin Hemisulphate	STS-LEU 5	5mg
	STS-LEU 25	25mg
Pepstatin A	STS-PPS 5	5mg
	STS-PPS 25	25mg
1,10-Phenanthroline	STS-PHY 5	10g
	STS-PHY 25	50g
Phosphoramidon	STS-PHR 5	5mg
PMSF	STS-PMSF 5	5g
	STS-PMSF 10	10g
	STS-PMSF 25	25g

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