

SPRING  
summer

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Promo 2018

\*promo:  
from 1/01/18 to 21/03/18  
please indicate PROMO CODE: 18WS in your order  
minimum order euro 100,00 - shipping euro 20,00

## XtraTaq Pol with new 5X Buffer

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).

CAT#: XSTS-T5XRTL 1000U - € 420,00  
Xtra Taq (5U/μl) and 4x1ml 5x XtraRTL  
CAT#: XSTS-T5XW 1000U - € 420,00  
Xtra Taq (5U/μl) and 4x1ml 5x XtraWhite, 1ml 6X Orange Loading Dye

20% Off  
@ €94,00\*



Comparisons of the amplification efficiency of new 5X XtraRTL Buffer versus Competitor were performed using serial dilutions (1:10, 1:100, 1:1000) of Kwi DNA and specific primers corresponding to pathogen PSA. The results are shown above. New 5X XtraRTL Buffer demonstrated excellent specificity and high efficiency in amplifying the pathogen.

## 2X Master Mixes: White and RTL (ready to load) Standard and HOT Start

2X XtraWhite Master Mix and 2X XtraRTL Master Mix Standard and Hot Start (Genespin proprietary formulation), are four premixed, ready-to-use solution containing StoS Xtra-Taq Pol, dNTPs and MgCl<sub>2</sub> 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).

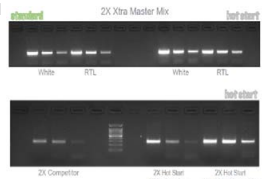
2X Hot Start XtraWhite Master Mix and 2X Hot Start XtraRTL Master Mix allow for specific PCR\*\* amplification by keeping the enzyme inactive until the temperature reaches approximately 40°C, while also reducing samples preparation time as well as risk of contamination from multiple pipetting steps.

2X XtraRTL Master Mix Standard and Hot Start contain Orange G dye that allows gel loading and electrophoresis of the sample directly from the PCR\*\* tube, without further manipulation. 2X XtraWhite Master Mix Standard and Hot Start are 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#: STS-XMMixW\* 1000 - € 340,00  
2X XtraWhite Master Mix 1000 (1000 reactions - 50ul) - 25ml  
CAT#: STS-XMMixRTL 1000 - € 340,00  
2X XtraRTL Master Mix 1000 (1000 reactions - 50ul) - 25ml  
CAT#: STS-HXMMixW\* 1000 - € 340,00  
2X Hot Start XtraWhite Master Mix 1000 (1000 reactions - 50ul) - 25ml  
CAT#: STS-HXMMixRTL 1000 - € 340,00  
2X Hot Start XtraRTL Master Mix 1000 (1000 reactions - 50ul) - 25ml

\* for free 6X Loading Dye

15% Off  
@ €263,50\*



Comparisons of the amplification efficiency of new 2X Master Mixes were performed using serial dilutions (1:10, 1:100, 1:1000) of Kwi DNA and specific primers corresponding to pathogen PSA. The results are shown above. New GeneSpin Master Mix demonstrated excellent specificity and high efficiency in amplifying the pathogen.

Comparisons of the amplification efficiency of new 2X Hot Start XtraWhite and old GeneSpin 2X HMMix versus Competitor 2X PCR Master Mix were performed using serial dilutions (1:2, 1:20, 1:200) of human genomic DNA and specific primers corresponding to a centromeric region (SatCen11). New 2X Hot Start XtraWhite shows higher efficiency in amplifying the centromeric region than old GeneSpin 2X HMMix and the Competitor 2x PCR Master Mix.

## qPCR 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, MgCl<sub>2</sub> 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
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®
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	€
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

10% Off  
@ €720,00\*  
@ €405,00\*  
@ €180,00\*

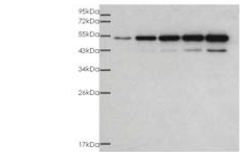
\*SYBR® is a registered trademark of Molecular Probes, Inc.; ABI® is a registered trademark of Applied Biosystems; FAM™ is a trademark of Applied Biosystems; iCycler® iQ™, MyiQ™ iQ5 and CFX are trademarks of Bio-Rad Laboratories.

## protein detection

### 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# STS-E500 - €140,00  
PDS (peroxide solution, 250ml + enhancer solution, 250 ml)  
CAT# STS-EOT250 - €145,00  
PDS Over Time (peroxide solution, 100μl + enhancer solution, 250ml)



Western Blot detection using StoS PDS- Protein Detection System. Increasing amounts (50ng, 75ng, 100ng, 150ng, 200ng) of HRP116 nuclear extract were run on a 12% acrylamide gel and transferred to a nitrocellulose membrane. The blot was probed with a Primary antibody specific for a 53 kDa protein and with the appropriate Secondary antibody. After 2 min of incubation with StoS PDS solution, the blot was imaged using an X-ray film.

15% Off  
@ €119,00\*  
@ €97,75\*

## Protein Marker

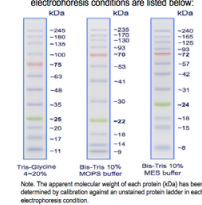
StoS Protein Marker is a three-color protein standard with 12 pre-stained proteins covering a wide range molecular weights from 10 to 245 kDa. The StoS Protein Marker is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis, verification of Western transfer efficiency 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# STS-PM - €140,00  
Protein Marker 100loading -500ul

20% Off  
@ €112,00\*

### GUIDE FOR MOLECULAR WEIGHT ESTIMATION (kDa)

Migration patterns of StoS Protein Marker in different electrophoresis conditions are listed below:



\*\*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.