

# Reagent

MaestroSafe  
DNA Ladder  
Protein Ladder

Non-carcinogenic nucleic acid prestained dye for visualization of double-stranded DNA, single-stranded DNA, and RNA in agarose gels.

MaestroGen supplies a wide range of products for accurate size and mass estimations (Quantitation) of nucleic acid/protein fragments.

# MaestroSafe™

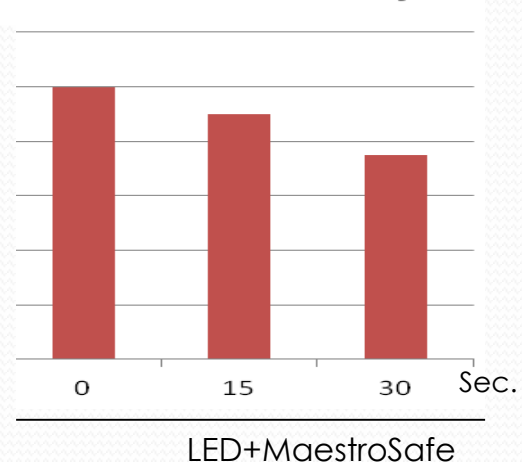
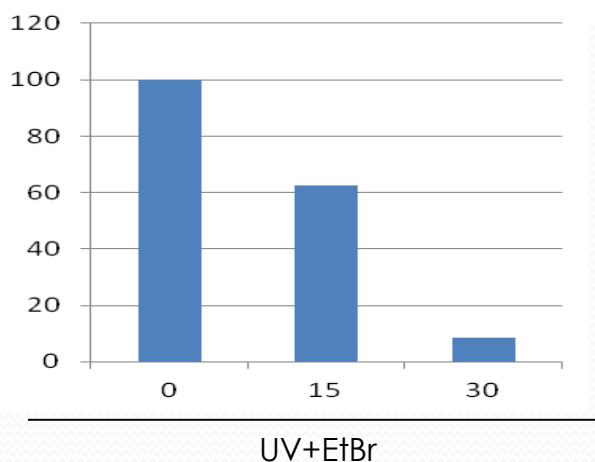
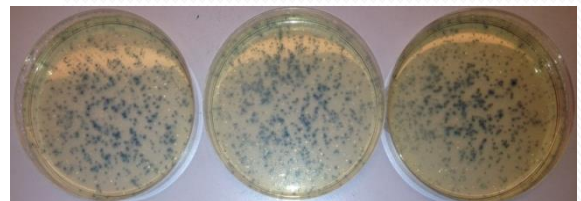
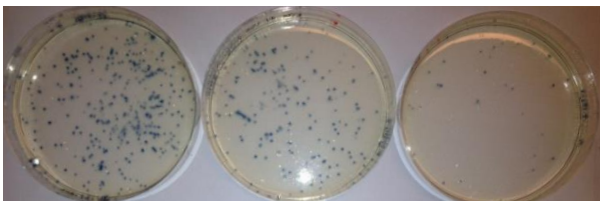
## Safe for You, Good for your sample

MaestroSafe™ products represent a new and safe class of nucleic acid dyes for visualization of double-stranded DNA, single-stranded DNA, and RNA in agarose gels. The dyes are developed to replace toxic Ethidium Bromide (EtBr, a potent mutagen), commonly used in gel electrophoresis for visualization of nucleic acids in agarose gels.

MaestroSafe™ products are non-carcinogenic by the Ames-test. The results are negative in both the mouse marrow chromophilous erythrocyte micronucleus and mouse spermary spermatocyte chromosomal aberration tests.



### Cloning efficiency of MaestroSafe™ and LED, compared with EtBr and UV



## Ordering Information and Specification:

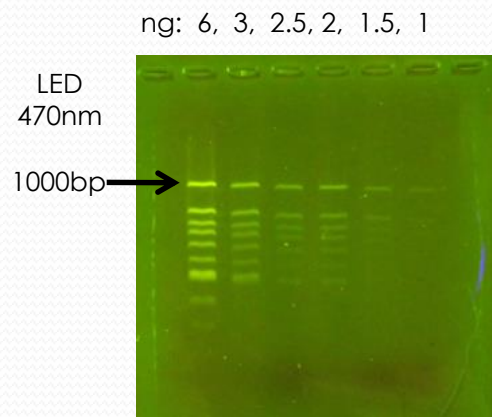
Products	MaestroSafe™ Nucleic Acid Prestained Dye	MaestroSafe™ Nucleic Acid Loading Dye
Cat No.	MR-031203	MR-031201
Size	1ml	1ml
Description	Prestained with agarose	Substitute for loading dye

## Related product:

Products	UltraSlim® LED Transilluminator	UltraBright LED Transilluminator
Cat No.	SLB-01/SLB-01W	LB-16
Function	Viewing stained gels on the laboratory bench, or within gel documentation systems	

According to the cloning efficiency test, DNA stained with EtBr and exposed by UV light will reduce the efficiency of cloning. The group of MaestroSafe™ and LED light shows the better cloning efficiency.

It demonstrates that MaestroSafe™ and LED will enhance cloning efficiency.

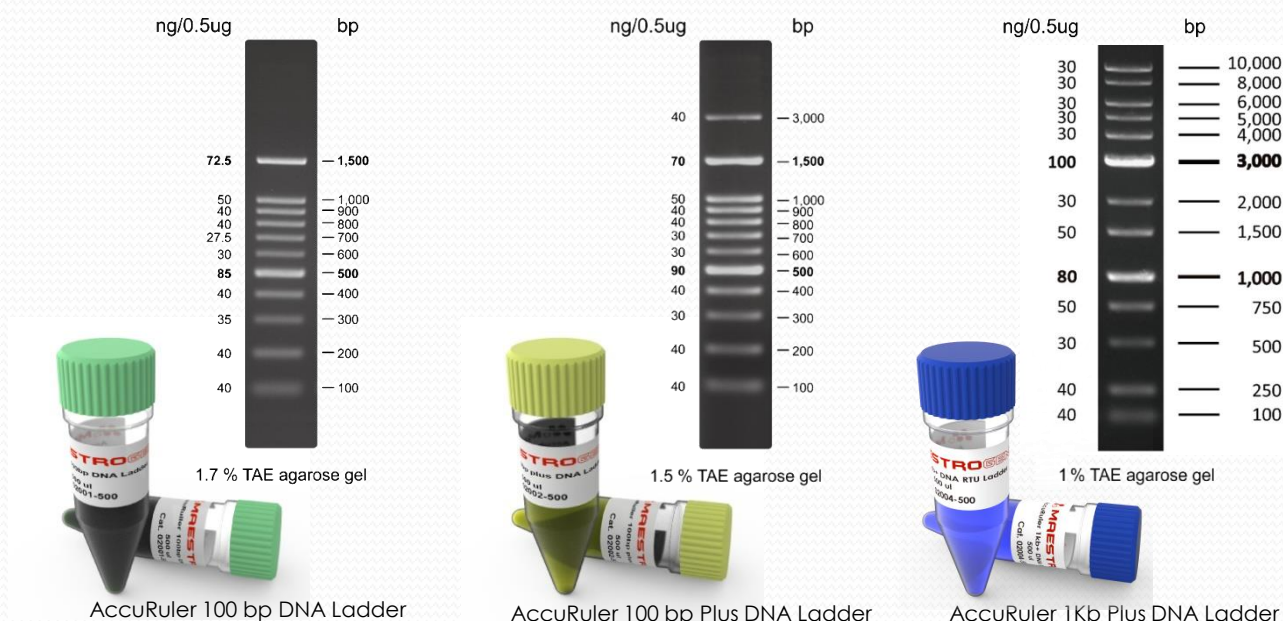


The best sensitivity (1 ng) when MaestroSafe™ is used combined with MaestroGen LED Transilluminator.

# DNA Ladder

## Accurate size and mass estimations

DNA Ladders comprising of fragments of specific base pair length are available for estimation of molecular weights from 100bp to 10Kb. For easy determination of band size, several DNA Ladders include bands that are two to three times more intense.



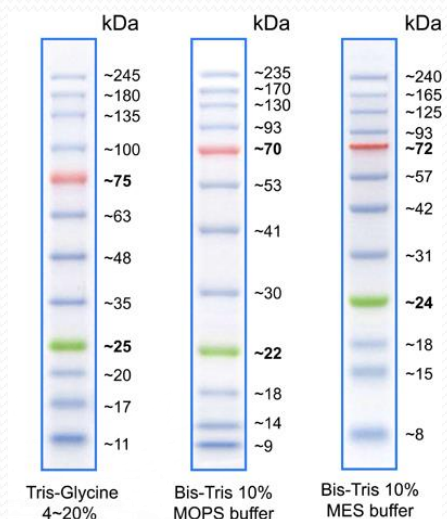
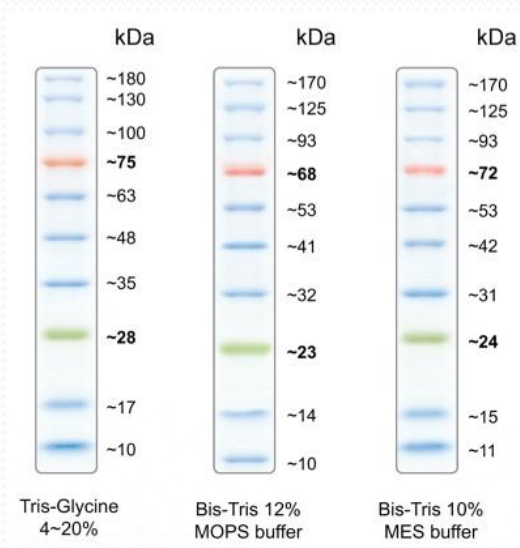
### Ordering Information and Specification:

Products	AccuRuler 100 bp DNA Ladder	AccuRuler 100 bp Plus DNA Ladder	AccuRuler 1Kb Plus DNA Ladder
Cat No.	02001-500	02002-500	02004-500
Size	50µg / 500µl	50µg / 500µl	50µg / 500µl
Range	100 bp to 1500 bp. The 500 bp and 1,500 bp bands have increased intensity	100 bp to 3,000 bp. The 500 bp and 1,500 bp bands have increased intensity	100 bp to 10 kb. The 1 kb and 3kb bands have increased intensity
Mass/band	0.5 µg/ 5 µl	0.5 µg/ 5 µl	0.5 µg/ 5 µl

# Protein Ladder

Sharp and stable

Protein Ladders comprising of fragments of specific base pair length are available for estimation of molecular weights from 10kDa to 180kDa.



AccuRuler RGB Prestained Protein Ladder



AccuRuler RGB Plus Prestained Protein Ladder

Ordering Information and Specification:

Products	AccuRuler RGB Prestained Protein Ladder	AccuRuler RGB Plus Prestained Protein Ladder
Cat No.	02101-250	02102-250
Size	250µl, reference bands – red at ~75 kDa and green at ~25 kDa.	250µl, reference bands – red at ~75 kDa and green at ~25 kDa.
Range	10 to 180 kDa	8 to 245 kDa
Mass/band	0.5 µg/ 5 µl	0.5 µg/ 5 µl



# UV sterilizer

## Intelligent UVC sterilizer



### Simple, easy and convenient

Product is connected to a wireless network for operation via a mobile phone or tablet devices.



### Compact and lightweight design

Compact and lightweight design, easy to setup and flexible for any space.

### 99.9%

### Effective disinfection

Use UVC germicidal lamps, no chemicals, it can effectively kill 99.9% germs, also no need to clean up after use.



### Schedule and timer

Easy to use a mobile phone or tablet to set up timer or schedule for disinfection.



UVS-36



UVS-144



UVS-72



UVS-18

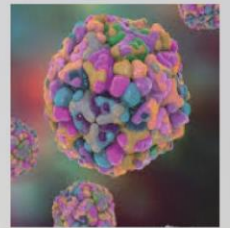
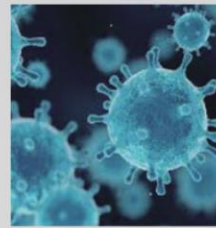


# Ultraviolet Dosage

Germicidal lamps provide effective protection against microorganisms.

\* Nominal Ultraviolet dosage(uW/cm<sup>2</sup> \*sec) necessary to inactivate better than 99% of specific microorganism.

Organsim	Type	Dose*
Escherichia coli	Bacteria	6,600
Staphylococcus aureus	Bacteria	6,600
Corynebacterium diphtheriae	Bacteria	6,500
Mycobacterium tuberculosis	Bacteria	10,000
Micrococcus candidus	Bacteria	12,300
Serratia Marcescens	Bacteria	6,160
Pseudomonas aeruginosa	Bacteria	3,900
Staphylococcus epidermidis	Bacteria	5,800
Enterovirus	Virus	6,500
Influenza	Virus	6,600
Adeno Virus	Virus	4,500
Coxsackie	Virus	6,300



## Specification

Model:	UVS-144	UVS-72	UVS-36	UVS-18
Lamp type:	UVC [2G11]			
wavelength(nm):	253.7			
Power(watt):	144	72	36	18
Intensity(uW/cm <sup>2</sup> ):	1,360	620	450	400
Input:	AC 100- 240V 50/60Hz			
Wi-Fi:	IEEE 802.11 b/g/n 2.4GHz			
Support OS:	Android 4.1, iOS 9.0 or higher version			
OS language:	English, French, Italian, German, Bulgarian, Czech, Danish, Greek, Polish, Portuguese, Russian, Slovak, Spanish, Traditional Chinese, Turkish			
Dimension: (WxHxD)mm	260*170*475	260*85*475		260*85*285
Weight(kg):	2.9	1.8	1.5	1.3
Package Dimension(mm):	495*235*165		470*209*138	
Weight(kg):	3.3	2.4	2.2	2.0

\*: measured vlaue distance is 30cm

