

# MaestroSafe™

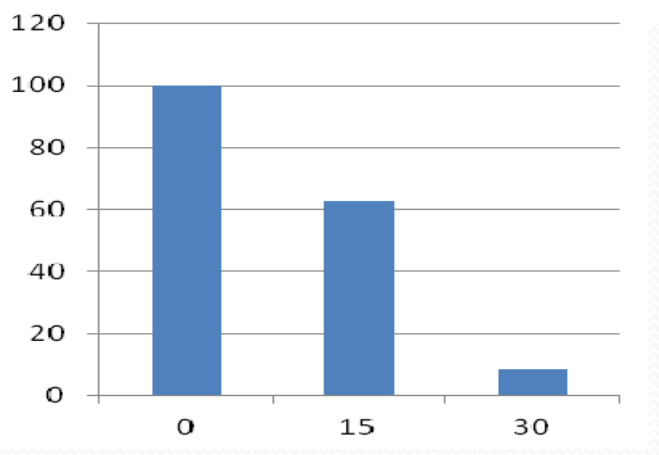
## Safe for You, Good for your sample

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.

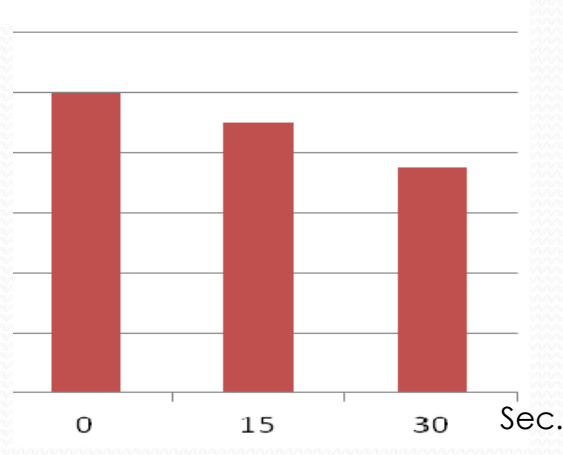
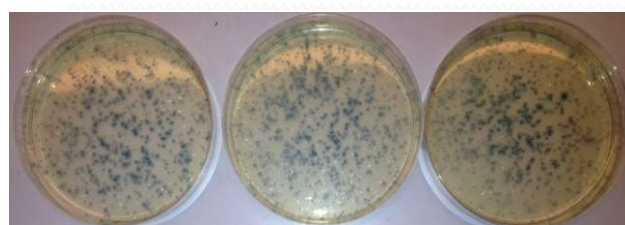
MaestroSafe™ products are non-carcinogenic by the Ames-test. The results are negative in both the mouse marrow chromophilous erythrocyte micronucleus and mouse spermary spermatocyte chromosomal aberration tests.



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



UV+EtBr



LED+MaestroSafe



## Ordering Information and Specification:

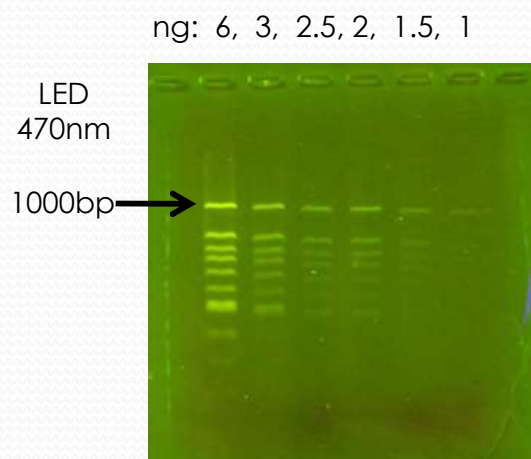
Products	MaestroSafe™ Nucleic Acid Prestained Dye	MaestroSafe™ Nucleic Acid Loading Dye
Cat No.	MR-031203	MR-031201
Size	1ml	1ml
Description	Prestained with agarose	Substitute for loading dye

## 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.