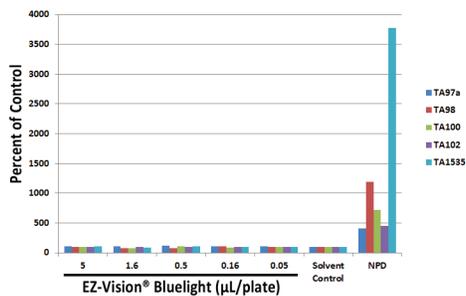


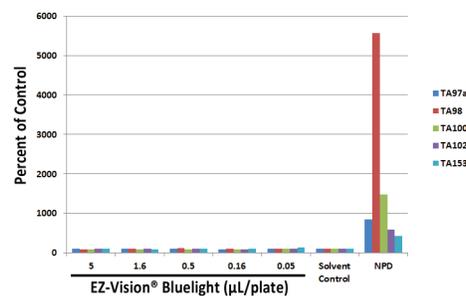
EZ-VISION® BLUE LIGHT DNA DYE, 10,000X

UV-Free DNA Visualization with a Non-Toxic, Non-Mutagenic Dye

A Summary of EZ-Vision Blue Light Ames Testing Without S-9 Activation



B Summary of EZ-Vision Blue Light Ames Testing With S-9 Activation



Mutagenicity Testing of EZ-Vision Blue Light

EZ-Vision does not meet the criteria for classification as a potential mutagen as determined by the Ames test. Exposure to EZ-Vision Blue Light did not significantly increase the percentage of revertants of mutant *S. Halixtyphimurium* over controls either (A) without or (B) with S-9 activation. NPD = mutagenic control, 4-nitro-0-phenylene-diamine

Substance	% Survival			
	24 hrs	48 hrs	72 hrs	96 hrs
Control (caCO ₂)	100	100	100	100
EZ-Vision® Bluelight, 400 mg/L	100	100	100	100
EZ-Vision® Bluelight, 750 mg/L	100	100	100	100

Environmental Toxicity Testing of EZ-Vision Blue Light

EZ-Vision environmental hazard testing was determined by the CCR Title 22 Fathead Minnow Hazardous Waste Screen Bioassay. EZ-Vision Blue Light was determined to be non-hazardous with LC50 > 750 mg/L.

Blue Light Visualization

Fluorescent dye visualizes DNA bands using blue light excitation or standard UV transilluminator.

Less Damage to DNA

Use with blue light excitation (410–510nm) and a green emission filter (500–600 nm) to eliminate UV-induced DNA damage and improve downstream cloning efficiency.

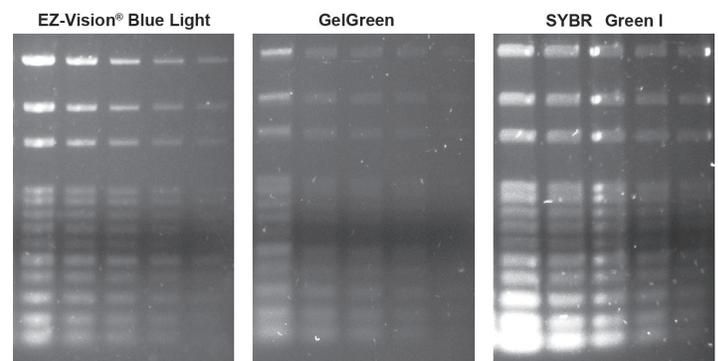
Safer to Use

Formula is both non-toxic and non-mutagenic and eliminates the need to use ethidium bromide and UV light.

Flexibility and Compatibility

Use as an in-gel stain for immediate post-electrophoresis results or as an easy 30 minute post-stain. Compatible with standard downstream applications, including gel extraction, cloning and sequencing.

EZ-Vision Blue Light performance versus competing blue light stains

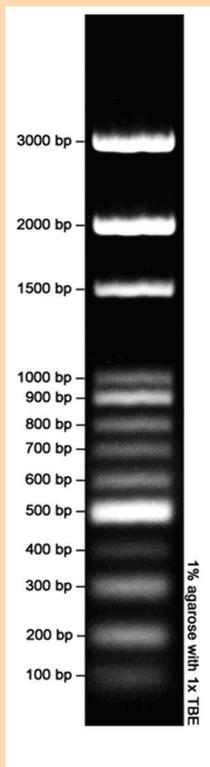


Comparison of EZ-Vision Blue Light DNA Dye to GelGreen™ and SYBR® Green I Two-fold dilution series of identical DNA fragments were electrophoresed in 1% agarose gels. The gels were then stained with EZ-Vision Blue Light (left panel), GelGreen (middle panel) and SYBR Green I (right panel). DNA fragments were visualized using a blue light transilluminator and SYBR Green filter.

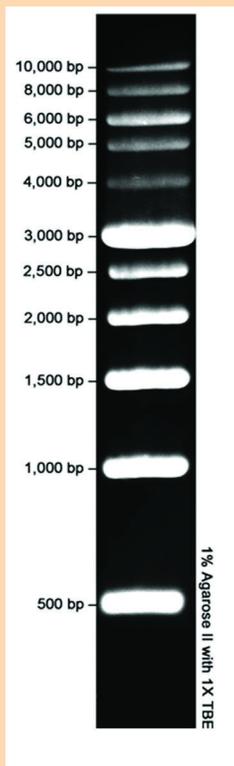
Description	Size, µL	Cat. No.
EZ-Vision Blue Light Dye, 10,000X	500	10791-798

Ready Ladder™

DNA Ladders Premixed with Loading Dye for Convenience



Ready Ladder™ 100 bp DNA Marker. 13 fragments ranging from 100 - 3,000 bp



Ready Ladder™ 1 kb DNA Marker. 11 fragments ranging from 500 - 10,000 bp

Related Products from VWR Life Science AMRESCO

Description	Size	Cat. No.
Agarose I™	25 g	97062-248
Agarose I	100 g	97062-244
Agarose I	500 g	97062-250
Agarose SFR™	25 g	97064-138
Agarose SFR	100 g	97064-134
ReadyLadder™ DNA Ladder, 100bp	300 µL	97063-208
ReadyLadder™ DNA Ladder, 1kb	600 µL	97064-212
TAE Buffer, Liquid Concentrate, 25X	1.6 L	97062-384
TAE Buffer, Liquid Concentrate, 25X	4 L	97062-386
TAE Buffer, Ready-Pack™, 25X	Pk. 2	97062-518
TAE Buffer, Liquid Concentrate, 50X	1.6 L	97063-692
TAE Buffer, Liquid Concentrate, 50X	4 L	97063-696
TBE Buffer, Liquid Concentrate, 10X	4 L	97062-122
TBE Buffer, Liquid Concentrate, 10X	20 L	97062-120
TBE Buffer, Ready-Pack, 10X	Pk. 2	97061-752



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