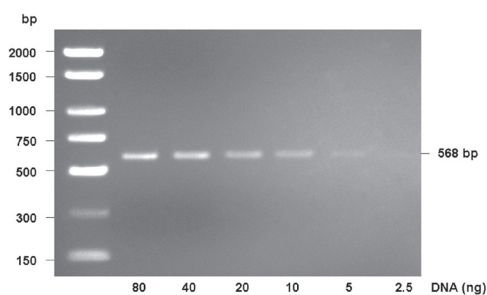


## Safer alternatives from AMRESCO

*Instant band visualization with non-toxic, non-mutagenic dye*



**EZ-Vision® In-Gel Sensitivity** DNA (2.5 ng - 80 ng) was mixed with 6X Agarose Gel Loading Buffer and applied to a 1% TAE agarose gel. Samples were resolved for 1 hour at 6.4 V/cm in 1X TAE buffer. Fluorescent visualization of DNA was achieved with a 500 msec UV exposure using a Sybr Green filter with the Syngene GBox-HR Gel Doc System.

## EZ-Vision® In-Gel Solution

AMRESCO's EZ-Vision® fluorescent DNA dye, now available as an *in gel* solution for electrophoresis.

### Convenient Solution

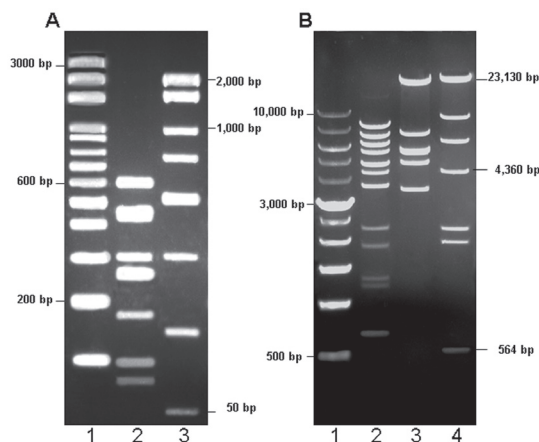
Solution can be added to molten agarose for in-gel staining or used as a post-stain. Available as 10,000X concentrate or in a convenient dropper bottle format.

### Instant Visualization

Fluorescent DNA dye allows for immediate visualization of DNA in agarose gels on a standard UV transilluminator.

### Safer to Use

Formula is a non-toxic, non-mutagenic alternative to ethidium bromide with comparable sensitivity.



**EZ-Vision® In-Gel Detection of Different Sized DNA.** DNA markers were mixed with 6X Agarose Gel Loading Buffer and applied to either a 2.5% (A) or a 0.6% (B) TAE agarose gel. AMRESCO's 100 bp Ladder (K180), DNA MicroMarker™ (E840) and PCR DNA Marker™ (E854) were loaded in lanes 1-3, respectively (A). AMRESCO's 1kb Ladder (K181), Low Range I™ Marker (E261), Low Range II™ Marker (E683) and Low Range III™ Marker (E687) were loaded in lanes 1-4, respectively (B). Samples were resolved for 1 hour at 6.4 V/cm in 1X TAE buffer. Fluorescent visualization of DNA was achieved with a 600 msec UV exposure using a SYBR® Green filter with the Syngene GBox-HR Gel Doc System.

*"We've had a great deal of demand for products that not only streamline processes for greater efficiency and consistent results at the bench, but are safer and more sensitive for both people and the planet. We believe that research to improve the human condition shouldn't include risking the researcher."*

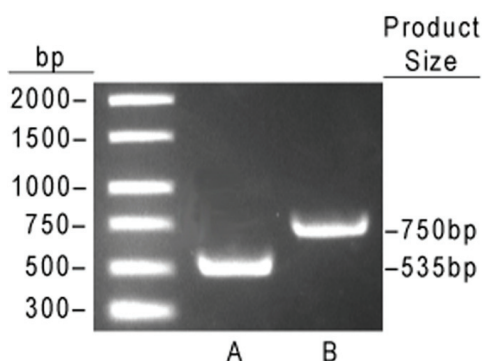
**Heath Bowers, PhD**  
Research and Development Supervisor  
AMRESCO, LLC

Description	Product Code	Pack Size
<b>EZ-Vision® In-Gel Solution, 10,000X</b> Sufficient for 100 x 50 ml mini gels.	N391-0.5ML	0.5 ml
<b>EZ-Vision® In-Gel Solution, Dropper Bottle*</b> Sufficient for 100 x 50 ml mini gels.	N391-5MLDRP	5 ml
Sufficient for 300 x 50 ml mini gels.	N391-15MLDRP	15 ml

\*Not a 10,000X concentrate.

## Extender™ PCR-to-Gel Master Mix

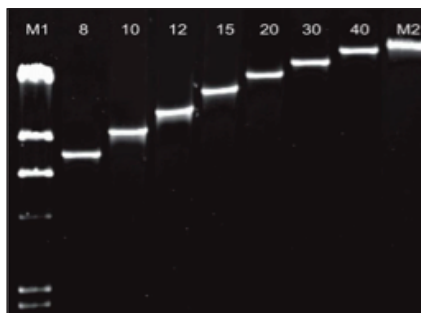
*Convenient PCR master mix*



**Efficient Amplification of Purified DNA with Extender™ PCR-to-Gel Master Mix.** Single copy targets were amplified from 50 ng of pUC19 plasmid (A) or *S. aureus* genomic DNA (B) for 35 cycles. 10µl of each PCR reaction was directly loaded onto a 1% agarose gel and visualized with a Syngene HR gel doc system.

## Extender™ DNA Polymerase Blend, 500U

*Amplifies long and difficult to copy templates*



**DNA amplification with Extender™ DNA Polymerase Blend, 500U.** Amplicons ranging in size from 8 kb to > 40 kb are shown.

## Related Convenience Products from AMRESCO

Description	Product Code	Pack Size
<b>ELECTROPHORESIS</b>		
<b>Agarose I™</b> All purpose agarose suitable for analytical and preparative applications; nuclease & protease-free.	0710-25G 0710-100G 0710-500G	25 g 100 g 500 g
<b>Agarose SFR™</b> Super fine resolution agarose, low melting temperature for analytical and preparative electrophoresis.	J234-25G J234-100G	25 g 100 g
<b>TAE Buffer, 25X Liquid Concentrate</b> DNA electrophoresis buffer for DNA recovery and resolution of large fragments.	0796-1.6L 0796-4L	1.6 L 4.0 L
<b>TAE Buffer, 50X Liquid Concentrate</b> DNA electrophoresis buffer for DNA recovery and resolution of large fragments.	K915-1.6L K915-4L	1.6 L 4 L
<b>TAE Buffer, 25X Ready-Pack™</b> 25X concentrate of DNA electrophoresis buffer in a convenient foil pouch. Each pack makes 1 L of 25X TAE buffer.	0912-2PK	2 packs
<b>TAE Buffer, Powder</b> DNA electrophoresis buffer powder blend used for DNA recovery and resolution of large fragments.	0912-40L	40 L
<b>TBE Buffer, 10X Liquid Concentrate</b> DNA electrophoresis buffer for resolution of small fragments.	0658-4L 0658-20L	4 L 20 L
<b>TBE Buffer, 10X Ready-Pack™</b> DNA electrophoresis buffer in a convenient foil pouch. Each pack makes 1 L of 10X TBE buffer.	0478-2PK	2 packs
<b>PCR REAGENTS</b>		
<b>Extender™ PCR-to-Gel Master Mix, 2X</b> Convenient master mix solution contains includes Extender™ Taq Polymerase, dNTPs, MgCl <sub>2</sub> , and tracking dyes. Sufficient for 100 reactions.	N867-2X1.25ML	2 X 1.25 ml
<b>Extender™ DNA Polymerase Blend, 500U</b> Taq polymerase ideal for long and difficult to copy templates. Wide tolerance for MgCl <sub>2</sub> and salt concentrations. Kit includes 1 tube of Extender™ Taq DNA Polymerase Blend, 500 U, 1 tube of Extender™ Taq DNA Polymerase Buffer A, 10X (without MgCl <sub>2</sub> ), 1 tube of Extender™ Taq DNA Polymerase Buffer S, 10X (with MgCl <sub>2</sub> ), and 1 tube of Extender™ Polymerase MgCl <sub>2</sub> , 50 mM.	N638-KIT	1 kit