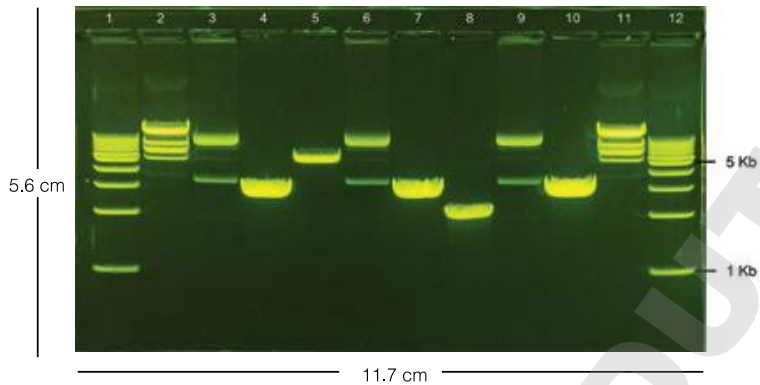


PreCast GreenGel™

Want to escape the hazards of ethidium bromide?

The safety and sensitivity of GelGreen will set you free!

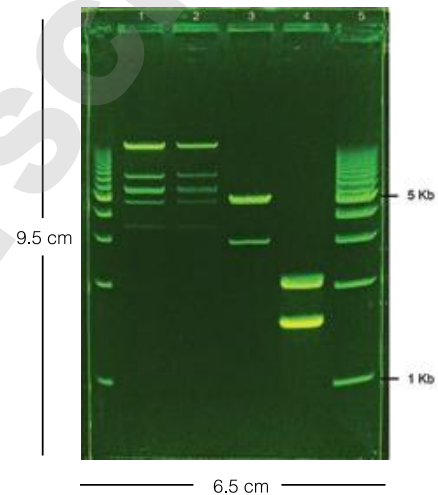
GG3600 1% Agarose TAE w/ GelGreen, Landscape Gel 12+1 well



Run at 100 V for 45 min.

- Lane# 1 & 12: SmartMark 1 Kb DNA ladder
- Lane# 2 & 11: Lambda/EcoRI Marker
- Lane# 3, 6 & 9: Plasmid DNA
- Lane# 4, 7 & 10: 3 Kb PCR Fragment
- Lane# 5: 5 Kb PCR Fragment
- Lane# 8: 2112 bp PCR Fragment

GG5100 1% Agarose TAE w/GelGreen Portrait Gel 5+1 well



Run at 75 V for 75 min.

- Lane# 1 & 2: Lambda/EcoRI Marker
- Lane# 3: 3 Kb & 5 Kb PCR Fragment
- Lane# 4: 1545 bp & 2112 bp PCR Product
- Lane# 5: SmartMark 1 Kb Ladder

No half and half gel background

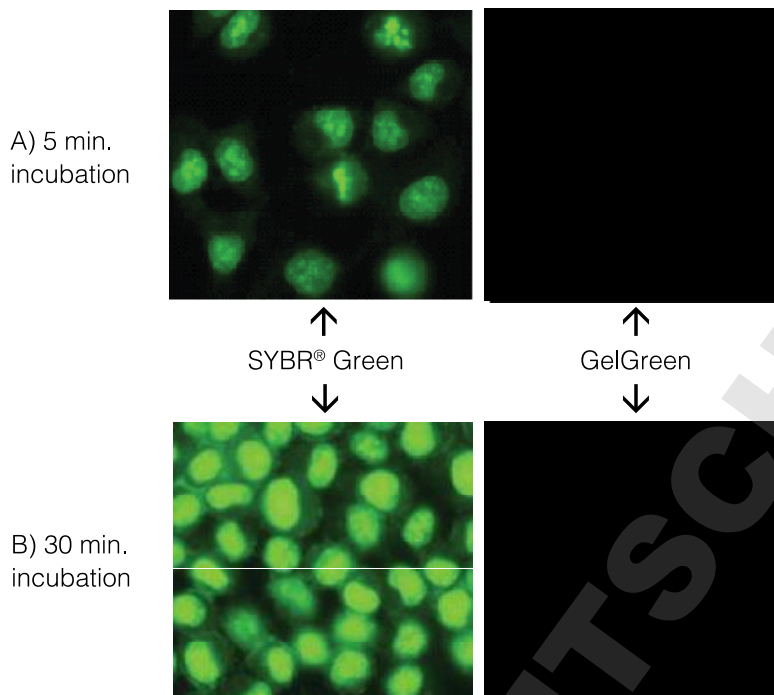
A typical EtBr gel has half of the gel brighter than the other half after electrophoresis. PreCast GreenGel has homogenous background through the run. No additional staining or destaining is needed for sharp, crisp bands.

Sensitive and safe

PreCast GreenGels are as sensitive as PreCast EtBr gels without the additional expense of hazardous waste disposal. Want it to be even safer? Use blue light illumination instead of UV light!

As safe as safe gets!

GelGreen™ dye does not penetrate latex gloves or cell membranes. Dyes are metabolized to form compounds that have negligible interaction with DNA.



HeLa cells were incubated at 37°C with 1X Sybr Green I and GelGreen respectively. Images were taken following incubation for 5 minutes (panel A) and 30 minutes (panel B), respectively. Sybr Green I entered the cells rapidly as evident from the bright green nuclear staining. GelGreen was unable to penetrate the cell membrane as shown by the lack of any fluorescent staining.

GelGreen™ Safety Summary

Latex Glove Penetration	Cell Staining		Ames Test	Hazardous Waste Screening (aquatic toxicity test)	Reactivity	Corrosivity
	Cell Membrane Permeability	Cytotoxicity				
Impenetrable	Impenetrable	Noncytotoxic	Nonmutagenic	Nontoxic to aquatic life	Unreactive	Noncorrosive

Data presented is intended to provide a brief summary of safety data on GelGreen obtained from several laboratories. If you wish to see the original test reports, please contact Biotium Technical Support.

Cat.No.	Description*
GG5100	1% Agarose TAE w/GelGreen, Portrait gel, 5+1 well 1.5 mm, 10/bx
GG3870	1% Agarose TAE w/GelGreen, Portrait gel, 10 well 1.0 mm, 10/bx
GG3600	1% Agarose TAE w/GelGreen, Landscape gel, 12+1 well 1.0 mm, 10/bx
GG3750	1% Agarose TAE w/GelGreen, Landscape gel, 24+1 well 1.0 mm, 10/bx
GG3690	1% Agarose TAE w/GelGreen, Medium gel, 5+2 well 1.5 mm, 5/bx

GelGreen™ is compatible with both Blue Light and UV.