

UltraSafe Blue™

DNA/RNA Safe stains

Safe, sensitive, flexible at comparable, affordable cost

◆ **Don't allow carcinogenic dye to risk your life, environment and experiment**

- Ethidium Bromide is intercalating and carcinogenic. UltraSafe Blue is non-intercalating, non-permeable to the cell membrane, not toxic nor carcinogenic
- No effect to downstream applications
- Easily disposable without harm to the environment

◆ **High sensitivity especially with LED lighting**

- Optimized wavelength of 470nm
- Very low background, high S/N ratio, detection down to 20pg of dsDNA, x20 more sensitive than EtBr and x10 more sensitive with a UV transilluminator

◆ **Flexible protocols**

- Can be used for Agarose, PAGE, for pre-staining or post-staining
- Highly sensitive
- No need to change existing protocols – it is easy to move to using UltraSafe Blue.

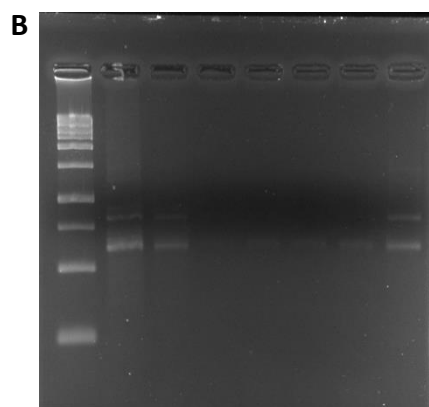
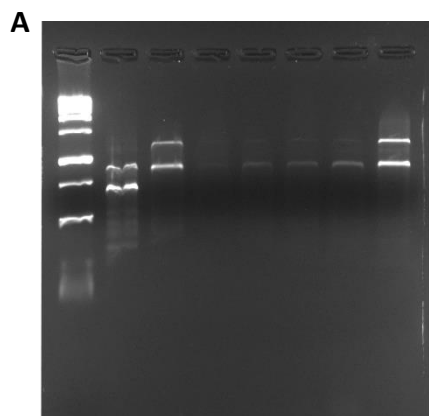


Figure 1

Ten-fold dilution series of genomic DNA electrophoresed in 2% agarose gels. The gel shown in panel A, UltraSafe Blue stain (1µl per sample) was added to each sample loaded. The gel in panel B was stained with SYBR Gold (1:10,000 dilution of stock reagent) for 20 minutes.

Both gels were excited using Ultra-Slim blue LED transilluminator (470nm) and imaged using a Syngene gel documentation system.



Contact Syngene

Europe:
Beacon House Nuffield Road
Cambridge CB4 1TF UK
Tel: +44 (0)1223 727123
Fax: +44 (0)1223 727101
email: sales@syngene.com

www.syngene.com

USA:
5103 Pegasus Court Suite L
Frederick MD 21704 USA
Tel: 800-686-4407 301-662-2863
Fax: 301-631-3977
email: ussales@syngene.com

www.syngene.com