

Selected References for GelRed™ and GelGreen™
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GelRed, agarose gels

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GelRed, DNA restriction digests

- Boulet, G.A., Micalessi, I.M., Horvath, C.A., Benoy, I.H., Depuydt, C.E., and Bogers, J.J. (2010). [Nucleic acid sequence-based amplification assay for human papillomavirus mRNA detection and typing: evidence for DNA amplification](#). J Clin Microbiol 48, 2524-2529.

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GelRed, PCR products

Casu, R.E., Selivanova, A., and Perroux, J.M. (2012). [High-throughput assessment of transgene copy number in sugarcane using real-time quantitative PCR](#). *Plant Cell Rep* 31, 167-177.

Ducatez, M.F., Sonnberg, S., Hall, R.J., Peacey, M., Ralston, J., Webby, R.J., and Huang, Q.S. (2010). [Genotyping assay for the identification of 2009-2010 pandemic and seasonal H1N1 influenza virus reassortants](#). *J Virol Methods* 168, 78-81.

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Xu, Y. (2008). [Bacterial communities in soybean rhizosphere in response to soil type, soybean genotype, and their growth stage](#). *Soil Biology & Biochemistry* 41, 919-925.

GelRed, RNA samples

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GelRed, polyacrylamide gels

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GelRed, DGGE gels

- Kataoka, R. (2008). [Comparison of the bacterial communities established on the mycorrhizae formed on Pinus thunbergii root tips by eight species of fungi](#). *Plant Soil* 304, 267-275.
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GelRed, PFGE gels

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GelRed, EMSA gels

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Gel purification of GelRed-stained DNA for cloning, sequencing

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Western blotting after GelRed staining

- Casu, R.E., Selivanova, A., and Perroux, J.M. (2012). [High-throughput assessment of transgene copy number in sugarcane using real-time quantitative PCR](#). Plant Cell Rep 31, 167-177.

GelRed, other applications

Cell viability assay using GelRed as a vital dye

- Bargmann, M, Kothe, H, Steinhoff, B, Alig, I, Rode, C, Wyrwa, R, and Schnabelrauch, M. [PLA-Based Biodegradable and Cytocompatible Implant Materials: Material Development, Processing and Properties](#). Journal of Materials Science and Engineering B 2013 3: 619-632.
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GelRed, mutation detection enhancement (MDE) gels

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GelRed, nitocellulose-based protein/RNA binding assay

- Khoshnevis, S., Neumann, P., and Ficner, R. (2010). [Crystal structure of the RNA recognition motif of yeast translation initiation factor eIF3b reveals differences to human eIF3b](#). PLoS One 5.

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GelRed, comet assay

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GelRed staining of virus capsids on PVDF membranes

Newcomb, W.W., and Brown, J.C. (2009). [Time-dependent transformation of the herpesvirus tegument](#). J Virol 83, 8082-8089.

GelRed, agarose gel analysis of ssDNA after strand exchange assay

Ragone, S., Maman, J.D., Furnham, N., and Pellegrini, L. (2008). [Structural basis for inhibition of homologous recombination by the RecX protein](#). EMBO J 27, 2259-2269.

GelRed, agarose gel analysis of fragmented DNA from apoptotic cells

Wolfson, J.J., May, K.L., Thorpe, C.M., Jandhyala, D.M., Paton, J.C., and Paton, A.W. (2008). [Subtilase cytotoxin activates PERK, IRE1 and ATF6 endoplasmic reticulum stress-signalling pathways](#). Cell Microbiol 10, 1775-1786.

GelGreen, agarose gels, PCR products, gel purification for cloning or sequencing

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GelGreen, polyacrylamide gels

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GelGreen, imaging of single DNA molecules by fluorescence microscopy

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GelGreen, other applications

Lee, JB, Peng, S, Yang, D, Roh, YH, Funabashi, H, Park, N, Rice, EJ, Chen, L, Long, R, Wu, M, et al. (2012). [A mechanical metamaterial made from a DNA hydrogel](#). Nat Nanotechnol 7, 816-820.