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# Thiazole Green (SYBR® Green I), 10,000X in DMSO

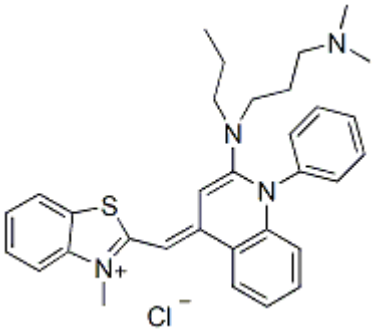
Thiazole Green, which is structurally identical to SYBR® Green I Nucleic Acid Gel Stain, is one of the most sensitive stains available for detecting double-stranded DNA (dsDNA) in agarose, polyacrylamide gels and qPCR.

### Product attributes

| | |
|---|---|
| **Probe cellular localization** | Nucleus & cytoplasm |
| **For live or fixed cells** | For live/intact cells |
| **Assay type/options** | No-wash staining, Real-time imaging |
| **Cell permeability** | Membrane permeant |
| **Colors** | Green |
| **Excitation/Emission** | 498/522 nm (with DNA) |

## Product Description

Thiazole Green, is structurally identical to the well known qPCR and DNA gel stain SYBR® Green I. Thiazole Green is one of the most sensitive stains available for detecting double-stranded DNA (dsDNA) in agarose, polyacrylamide gels and qPCR. Thiazole Green can also be used to detect ssDNA and RNA in denaturing agarose/formaldehyde and polyacrylamide/urea gels without any prewashing steps, although the sensitivity is lower. Thiazole Green may also be used as a green nuclear stain for all cells in live cultures, but will lose nuclear specificity after fixation. Thiazole Green has the identical spectral properties as SYBR® Green I (Ex/Em 498/522 nm with DNA).

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