CYGREEN® Nucleic Acid Dye

Nucleic acid dye for gel staining and higher sensitivity qPCR

CYGREEN® Nucleic Acid Dye is a DNA intercalating agent that is used to stain DNA. The DNA-dye complex emits a fluorescence spectra that makes it suitable for qPCR and gel staining applications.

CYGREEN® Nucleic Acid Dye has excitation/emission spectra similar to commonly used qPCR dyes and can be substituted in to increase sensitivity and reduce cost.

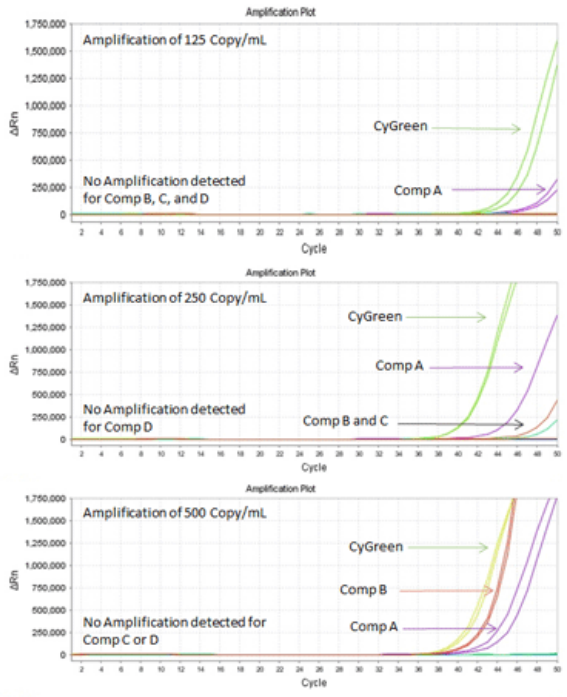
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ENZ-GEN105-0100	100µl

Manuals, SDS & CofA View Online »

- Higher sensitivity allows detection of low target concentration
- Greater PCR efficiency for accurate and reproducible results
- Soluble in water for higher stability
- Compatible with various enzyme systems
- Suitable for commonly used rotor-type and plate-type qPCR platforms
- Validated for qPCR applications and gel staining
- Lower cost per assay compared to commonly used dyes



CYGREEN® Nucleic Acid Dye has greater sensitivity compared to competitor dyes

Handling & Storage

Handling	Protect from light. Avoid freeze/thaw cycles.
Short Term Storage	-20°C
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Reddish orange liquid.
Application	Gel staining, Melting curve, qPCR
Concentration	10,000x
Emission Maximum	515nm
Excitation Maximum	489nm
Formulation	Solution in DMSO.
Purity	≥93% (HPLC)

Last modified: May 29, 2024

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