

EZstain™ DNA Loading Dye

Cat.#	Size	Conc.
B006S	0,5 ml	6X
B006M	1 ml	6X

Expire date:
Store at 4°C

Product description

Developed for eliminating any staining procedure, EZstain™ DNA Loading Dye contains a sensitive, stable, and relatively safe fluorescent dye designed to replace Ethidium Bromide, a highly toxic reagent for staining DNA. After forming a tight complex with the sample DNA, the fluorescent dye co-migrates with it during electrophoresis. After the electrophoresis, DNA bands can be visualized via placing the gel on a standard UV transilluminator. Post-run staining and destaining step is eliminated. The tracking dye (RED) indicates at 0.7~1 kb region.

Applications

- PCR
- Sequencing
- Transformation
- Cloning

Storage

- Stable for 6 months at 2-8°C
- Should be stored in the supplied amber tubes due to light sensitivity

For Research Use Only. Not for use in diagnostic procedures.

ISO9001 ISO14001 ISO13485

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Note

- Although it is nonmutagenic and noncytotoxic, EZstain™ DNA Loading Dye may cause skin and eye irritations. Always wear gloves while handling the product.
- For the even binding of the dye molecules to DNA strand, mix thoroughly before loading samples.
- Always maintain the ratio of EZstain™ DNA Loading Dye to DNA sample (1:5). At lower ratio, DNA fragment mobility can be altered.
- When 1 kb DNA ladder is used, we recommend you to use 1.0% agarose instead of 0.8% agarose
- Some restriction enzymes can be incompatible with EZstain™ DNA Loading Dye

Protocol

1. Prepare agarose gel according to your standard procedure.
2. Dilute 1 volume Loading STAR with 5 volumes DNA sample and then mix.
3. After loading samples, run the gel according to your standard procedure.
4. After the electrophoresis, place the gel on UV transilluminator for the instant visualization of DNA bands.

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