



# EliDNA™ LD Red

## Instructions for Use

### Package:

| Ref. No. | Package |
|----------|---------|
| ED06     | 1 ml    |
| ED06s    | 50 µl   |

### Storage:

The dye should be stored at -20 °C or up to one year at 4 °C and protected from light. When stored under these conditions, the dye will retain full activity until the expiration date indicated on the label.

### Product description

**EliDNA™ LD Red** is a new generation of a red fluorescent nucleic acid dye intended for gel staining. The dye is non-toxic and non-mutagenic. Therefore, making it a safer alternative to ethidium bromide. **EliDNA™ LD Red** can be used with a standard UV transilluminator (300 nm) the same way as ethidium bromide. Gels stained with **EliDNA™ LD Red** are compatible with various downstream applications such as gel extraction, cloning and many others.

### Protocol

Prepare the desired volume of agarose gel solution according to your protocol. Allow the gel solution to cool down to ~60 °C before casting it into the gel tray. After the gel has solidified, load the samples and DNA ladder with **EliDNA™ LD Red** at 5 : 1 ratio. Perform electrophoresis. Image the gel with a UV transilluminator.

### Troubleshooting

- If you experience low fluorescence signal of DNA bands, try to add more dye. Signal intensity depends on the number of bands and their concentration.
- Smeared DNA bands may be caused by excessive DNA concentration. Reduce the amount of loaded DNA or perform poststaining.
- If there are any discrepancies in bands migration, try to reduce the amount of loaded DNA or use less dye.



### Related products

| REF  | Name of product                     | UV<br>light | Blue<br>LED | Green/blue<br>LED | In gel | Post-st. | Loading | dsDNA | ssDNA          | RNA            |
|------|-------------------------------------|-------------|-------------|-------------------|--------|----------|---------|-------|----------------|----------------|
| ED01 | EliDNA™ PS Green                    | ✓           | ✓           | ✓                 | ✓      | ✓        | X       | ✓     | ✓ <sup>1</sup> | ✓ <sup>1</sup> |
| ED02 | EliDNA™ PS Green Plus               | ✓           | ✓           | ✓                 | ✓      | ✓        | X       | ✓     | ✓              | ✓              |
| ED03 | EliDNA™ PS Green Ultra <sup>2</sup> | ✓           | ✓           | ✓                 | ✓      | ✓        | X       | ✓     | ✓              | ✓              |
| ED04 | EliDNA™ PS Red                      | ✓           | X           | X                 | ✓      | ✓        | X       | ✓     | ✓              | ✓              |
| ED05 | EliDNA™ LD Green                    | ✓           | ✓           | ✓                 | X      | X        | ✓       | ✓     | ✓              | ✓              |
| ED06 | EliDNA™ LD Red                      | ✓           | X           | X                 | X      | X        | ✓       | ✓     | ✓              | ✓              |

<sup>1</sup> Since ssDNA and RNA are single stranded, you may experience a lower signal intensity.

<sup>2</sup> The dye with the highest sensitivity.

### Manufacturer:

**ELISABETH PHARMACON Ltd.**

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Catalog number



Batch code



Use by (last day of month)



Upper limit of temperature



Manufacturer



Contains sufficient "N" tests