



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 light	Blue LED	Green/blue LED	In gel	Post-st.	Loading	dsDNA	ssDNA	RNA
ED01	EliDNA™ PS Green	✓	✓	✓	✓	✓	X	✓	✓ ¹	✓ ¹
ED02	EliDNA™ PS Green Plus	✓	✓	✓	✓	✓	X	✓	✓	✓
ED03	EliDNA™ PS Green Ultra ²	✓	✓	✓	✓	✓	X	✓	✓	✓
ED04	EliDNA™ PS Red	✓	X	X	✓	✓	X	✓	✓	✓
ED05	EliDNA™ LD Green	✓	✓	✓	X	X	✓	✓	✓	✓
ED06	EliDNA™ LD Red	✓	X	X	X	X	✓	✓	✓	✓

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

² 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