



# TOROGreen™ DL2000 Loading Marker

Cat NO : GDL-2000 Volume: 250 µl/tube

## DESCRIPTION

The TOROGreen™ DL2000 Loading Marker is a ready-to-use DNA marker, which is premixed with high sensitivity DNA binding fluorescent dye and loading dye for direct gel loading. The DNA Marker GDL2000 is composed of 6 individual DNA bands: 2k,1k,750bp, 500bp, 250bp and 100 bp. These bands can be visualized when illuminated with 470nm blue light. This DNA marker contains one enhanced bands(750bp) for easy reference. In addition, twotracking dyes, Xylene cyanol FF and Orange G which mimic the migration of 3-5kb and 50 bp dsDNA during electrophoresis are added for real time monitoring. Real time observation of electrophoresis is also possible if a 470nm light source is fitted to the electrophoresis tank.

## FEATURES

- Clear and sharp bands
- Ready-to-use: premixed with loading dye for direct loading
- Quick reference: 750bp enhanced bands
- Directly observed by blue light— premixed with high sensitive DNA fluorescent dye

## COMPONENTS

- Cat NO : GDL2000
- Volume: 250 µl×1tube  
2µl per well for 125 applications
- Volume: 250 µl ×5tube  
2µl per well for 625 applications

## STORAGE

- 4°C for 6 months in dark
- 20°C for 24 months in dark

## CONCENTRATION

0.07mg/mL

## QUALITY CONTROL

- 6 defined bands are observed during electrophoresis in agarose gel.
- No nuclease activity is detected by a direct nuclease activity assay.

## BANDS RANGE

-100bp,250bp,500bp,750bp,1kb,2kb.

## ELECTROPHORESIS CONDITIONS

- 2% agarose gel is recommended.
- 1×TBE buffer is recommended.
- Recommended voltage: 4-10V/cm

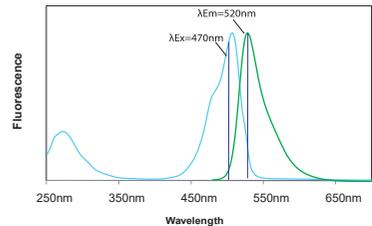
## LOADING VOLUME

The DNA marker is supplied in gel loading buffer and is ready to use.

- 1 µl ~ 2 µl per loading for clear visualization during electrophoresis on a mini-gel.
- Apply more for a thicker or larger gel.

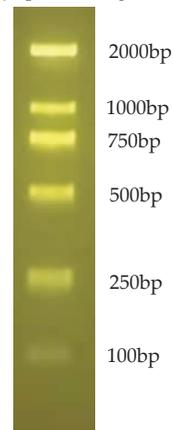
## NOTE

- This DNA Loading Marker was not designed for precise quantification of DNA mass, but can be used for approximating the mass of DNA by intensity comparison.
- This DNA Loading Marker is premixed with DNA binding fluorescent dye, which compatible with 470 nm blue light transilluminator and imaging systems.



## TOROGreen™ DL2000 Loading Marker GDL-2000

2 µl per loading



2% agarose gel, 1×TBE Buffer

Notes: The ladder is supplied with the gel loading buffer and is ready to use. Do not dilute before loading.