

REF 24079



## RedStar™ 100bp DNA Ladder

### KEY FEATURE

- Suitable for fluorescent-free agarose gel electrophoresis
- Contained RedStar™ DNA/RNA Loading Dye
- Distinct band resolution at 595nm wavelength
- Ideal for 100 bp ~ 1,500 bp DNA size range

### GENERAL USE

- No DNase and RNase detected.
- Load 5 µl per each well of Agarose gel.

*For research purpose only.  
Not for use in diagnostic procedures for clinical purposes.*



### DESCRIPTION

iNtRON supplies a wide range of products for accurate size and mass estimations (quantitation) of nucleic acid fragments. Nucleic Acid Markers are available for sizing linear, or supercoiled DNA and single-stranded RNA fragments. A variety of these markers are available in the ready-to-use RedStar™ formats.

RedStar™ 100bp DNA Ladder are ideal for determining the size of double-stranded DNA from 100~1,500bp base pairs. The RedStar™ 100bp DNA Ladder consist of 11 linear double-stranded DNA fragments. Several fragments are present at increased intensity to allow easy identification. All fragments are precisely quantified and mixed during the production.

For 5 µl loading, all fragments except typical band DNA fragments are 40 ng. The typical band of DNA fragments is 100 ng. These ladders are pre-mixed with loading dye and are ready to use.

All DNA Markers were already stained with RedStar™ DNA/RNA Loading Dye (6x).

### STORAGE

- Store at 4 °C and stable for more than 6 months.
- Store at -20 °C and stable for more than 12 months

### PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively for research purposes and in vitro use only.

### NOTICE BEFORE USE

- Do not heat before loading.
- Do not use gels containing ethidium bromide (EtBr) or other fluorescent dyes.
- For quantification, adjust the concentration of the sample to equalize, it approximately with the amount of DNA in the nearest band of the ladder.

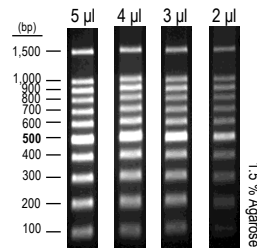
### ELECTROPHORESIS

- Used for agarose gel without fluorescent material.
- Use 5ul per well ; Usage can be increased or decreased depending on the size of gel and comb.

### ORDERING INFORMATIONS

Product Name	Cat.No.
RedStar™ DNA/RNA Loading Dye (6x)	21142
RedStar™ 100 bp DNA Ladder	24079
RedStar™ 1kb DNA Ladder	24080

### DATA EXAMPLES



Size range (bp)	100 - 1,500
Conc. (ng/µl)	100
Typical bands	100ng/5µl
Other bands	40ng/5µl
Loading Vol.	5µl
Band number	11
Contents	100,200,300, 400, <b>500</b> , 600, 700, 800, 900, 1000,1500