

**1 KB DNA Ladder (RTU)  
for Gel Red Nucleic Acid Stain**

**CAT.#**            **FS-MW-500-RT**

**Size:**            ~~50~~            500 ul (~~5~~)

**Vial A:** 1 KB DNA Ladder - 20 ng/mL in 1 X DNA Loading Buffer    **Vial B:** 6L BliY @caXib[ 8mY

For agarose gel electrophoresis the ladders can be loaded directly on a gel, 5-10 uL per well gives the optimal loading for a GelRed precast gel (100-200 ng/lane).

**It is not necessary to add anything to the ladder before use.**

**Product Description:**

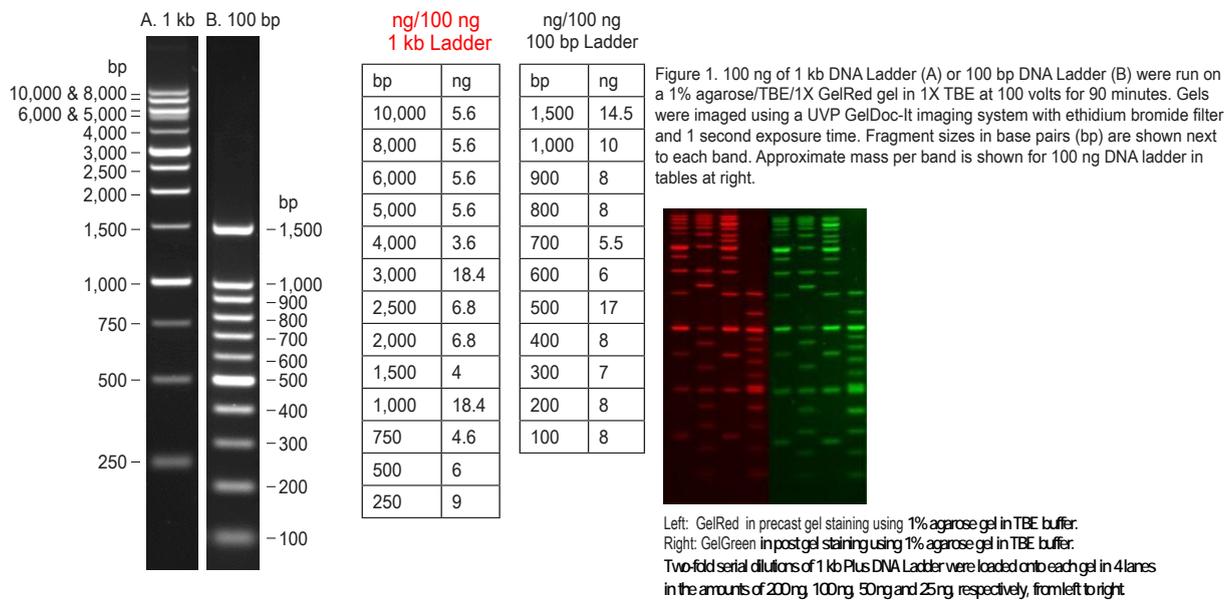
The 1 KB DNA Ladder is suitable for sizing linear double-stranded DNA fragments from 250 bp to 10 kb. The 1 kb and 3 kb bands have increased intensity to provide internal orientation.

The ladders are generated from PCR and restriction enzyme digestion of double stranded DNA. The DNA is purified by phenol extraction, and equilibrated to 10 mM Tris-HCl (pH 8.0) and 1 mM EDTA. Approximate amounts of DNA per band per 100 ng ladder are listed in Figure 1 for reference, and are not intended for quantification of unknown DNA samples.

The loading buffer provided contains density agents and two blue electrophoresis tracking dyes that run at approximately 1.5 kb and 200 bp in a 1% agarose gel.

**Storage:**            Store at 4°C for 6 months or at -20°C for 24 months.

**Storage Buffer:** 10 mM Tris-HCl (pH 8.0), 1 mM EDTA



CAT#	Description	Components	Size
FS-MW-600RT	100 bp DNA Ladder <i>Ready To Use</i> 2 VIALS	100 bp DNA Ladder in 1 X DNA Loading Buffer	500 ul 500 ul
FS-MW-500RT	1KB DNA Ladder <i>Ready To Use</i> 2 VIALS	1KB DNA Ladder in 1 X DNA Loading Buffer 6x Blue Loading Dye	500 ul 500 ul