



Limited liability company

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## DNA ladder Step 100

Cat. No. S-8100

### Description

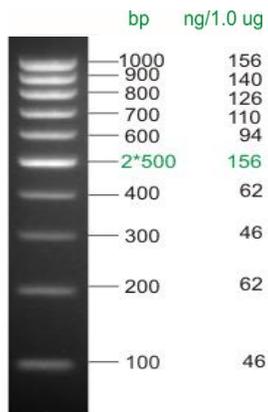
**DNA ladder Step 100** is suitable for using as a standard for estimating of length and quantity analysis of double stranded DNA molecules from 100 to 1000 bp in agarose gel. Prepared from a plasmid DNAs, ladder contains 10 DNA fragments from 100 to 1000 bp. For easy reference on agarose gels, the 500 bp fragments are double-concentrated.

**DNA ladder Step 100 is ready-to-use.** This ladder can be stained with intercalating agents as ethidium bromide or SYBR Green Dye.

### DNA molecular weight markers

Cat. №	Product	Description	Pack size
S-8100	<b>DNA ladder Step 100</b>	Consist of 10 DNA fragments: 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000 bp. <b>Ready-to-use.</b>	50 µg

DNA ladder Step 100 visualized by ethidium bromide staining on a 2% TAE agarose gel:



2% agarose  
1\*TAE

**DNA ladder concentration:** 0.1 mg/ml.

**Storage buffer:** 10 mM Tris-HCl (pH 8.0), 5 mM EDTA, 12.5% glycerol, 0.008% bromophenol blue, 0.008% xylencyanol.

### Recommendations for use:

- this ladder is ready-to-use;
- apply 2-5 µl of ready-to-use **DNA ladder Step 100** on a 5 mm lane of the agarose gel;
- visualize the DNA bands by ethidium bromide or SYBR Green staining.

**Storage conditions:** -20°C / 12 months.