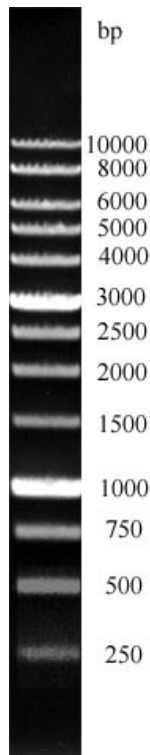


DNA Ladder 1000 bp / 1 kb



**Features:** 1000 bp / 1 kb DNA Marker from GeneON is composed of 13 individual DNA fragments which are re-dissolved in storage buffer.

**Description/Preparation:** The 1000 bp / 1 kb DNA Ladder has a number of proprietary plasmids which are digested to completion with appropriate restriction enzymes to yield 13 bands suitable for use as molecular weight standards for agarose gel electrophoresis. The 1000 bp / 1 kb DNA Ladder was designed for precise qualitative and approximately quantification of DNA mass. There are no unspecific bands besides the fragments. The 500 bp, 1000 bp and 3000 bp fragment are used as reference band.

**Usage:** 1 µg/lane

**Concentration:** 0,2 µg/µl

**Storage Buffer:** 10 mM Tris-HCl (pH 8.0), 1.0 mM EDTA, 50mM NaCl

**Tracking Dye:** 6X DNA Loading dye required

**Number of bands:** 13 fragments

*Gel-picture: 1 µg of 1000 bp/1 kb DNA Ladder visualized by ethidium bromide staining on 1,0 % TAE agarose gel*

**Number of bands and approx. DNA Mass:**

<b>base pairs</b>	250	<b>500</b>	750	<b>1000</b>	1500	2000	2500	<b>3000</b>	4000	5000	6000	8000	10000
<b>DNA mass ng</b>	20	<b>30</b>	60	<b>210</b>	50	60	70	<b>200</b>	60	60	60	60	60

**Loading:** 0.5 - max. 1.2 µg/ lane in 1.0 - max. 2.0 % Agarose. We recommend to add the loading dye in amount 1/10 from the DNA Ladder volume

**Transportation:** shipped on blue ice or room temperature

**Storage:** at -20 °C for 24 months

**Ordering information:**

Cat.-no	Description	Amount
305-005	1000 bp / 1 kb DNA Ladder	50 µg/250 µl
305-025	1000 bp / 1 kb DNA Ladder	5 x 50 µg