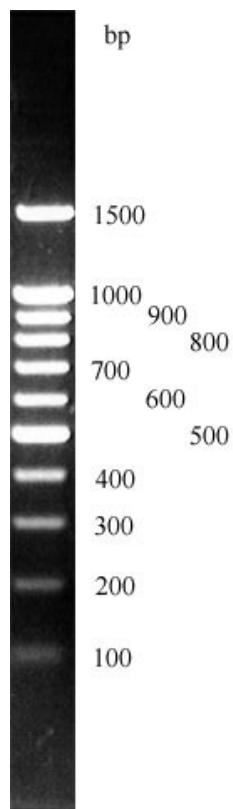


DNA Ladder 100 bp plus



**Features:** GeneON 100 bp DNA PLUS Marker is composed of 11 individual DNA fragments which are re-dissolved in storage buffer.

**Description/Preparation:** The 100 bp PLUS DNA Ladder has a number of proprietary plasmids which are digested to completion with appropriate restriction enzymes to yield 10 bands suitable for use as molecular weight standards for agarose gel electrophoresis. The 100 bp PLUS DNA Ladder was designed for precise qualitative and approximately quantification of DNA mass. There are no unspecific bands besides the fragments. The 500bp fragment is used a 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:** 11 fragments

*Gel-picture: 1 µg of 100bp + 1,5Kb DNA Ladder visualized by ethidium bromide staining on 1,7 % TAE agarose gel*

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

<b>base pairs</b>	100	200	300	400	<b>500</b>	600	700	800	900	1000	1500
<b>DNA mass ng</b>	20	20	30	50	<b>150</b>	80	70	110	120	200	150

**Loading:** 0.5 - max. 1.2 µg/ lane in 1.7 - 2.5 % 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
306-005	100 bp DNA Ladder PLUS, no stain	50 µg/250 µl
306-025	100 bp DNA Ladder PLUS, no stein	5 x 50 µg