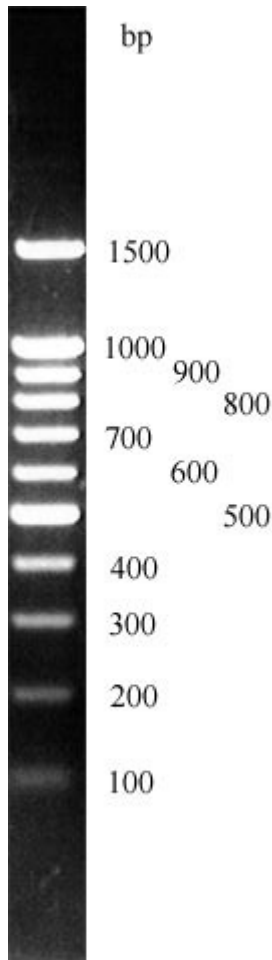


## 100 bp Plus Blue DNA ladder



**Features:**

The 100 bp PLUS DNA Marker is a pre-mixed, ready-to-load molecular weight marker containing a dye which serves as visual aids to monitor the progress of migration during agarose gel electrophoresis.

**Description/Preparation:**

The DNA marker consists of proprietary plasmids which are digested to completion with appropriate restriction enzymes to yield 11 bands suitable for use as molecular weight standards for agarose gel electrophoresis. The digested DNA includes fragments ranging from 100 - 1500 base pairs. The 500 bp fragment and the 1000 bp fragment are present at increased intensity to allow easy identification. All fragments are blunt-ended. The **100 PLUS DNA Ladder** was designed for precise qualitative and approximately quantification of DNA mass. There are no unspecific bands besides the fragments.

**Usage:** 0.25 – max. 1.0 µg

**Concentration:** 0,1 µg/µl

**Loading:** 0.25 - max. 1.0 µg/ lane in 1.2 - 2.0 % Agarose

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

**Storage:** at -20 °C for 24 months

**Storage Buffer/Tracking Dye:**

10 mM Tris-HCl (pH 8.0); 50 mM NaCl; 1 mM EDTA, pre-mixed with optimal blue tracking dye

**Number of bands:** 11 and approx. DNA Mass

base pairs	100	200	300	400	<b>500x3</b>	600	700	800	900	1000x2	1500
DNA mass ng	20	20	30	50	<b>150</b>	80	70	110	120	160	150

**Ordering information:**

Cat.-no	Description	Amount
304-105	100 bp PLUS DNA Ladder	50 µg/500µl
304-125	100 bp PLUS DNA Ladder	5x50 µg