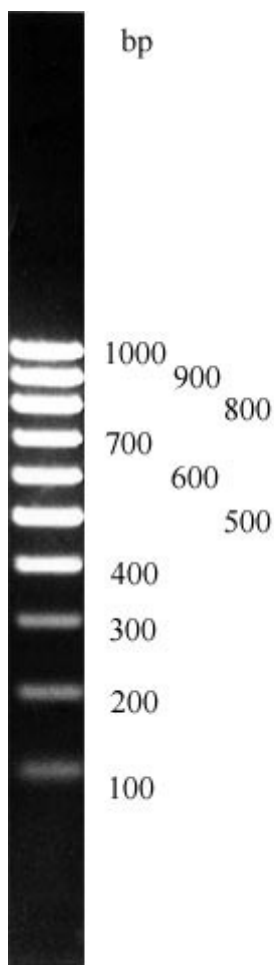


100 bp DNA Ladder



Features: GeneON 100 bp DNA Marker is composed of 10 individual DNA fragments which are re-dissolved in storage buffer.

Description/Preparation: The 100 bp 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 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 as 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: 10 fragments

Number of bands and approx. DNA Mass:

base pairs	100	200	300	400	500	600	700	800	900	1000
DNA mass ng	40	40	40	80	130	110	90	150	170	190

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

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

Ordering Information:

Cat.-no	Description	Amount
304-005	100 bp DNA Ladder	50 µg/250 µl
304-025	100 bp DNA Ladder	5 x 50 µg