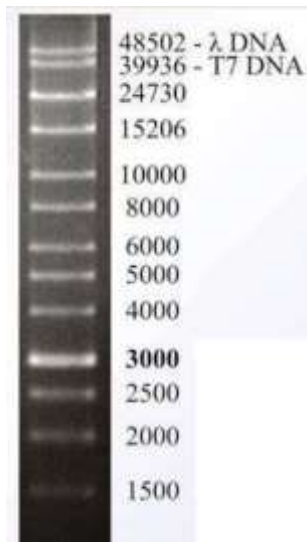


## 50 kb large-range DNA Ladder

**Features:** GeneON's 50 kb DNA Marker is composed of 17 individual DNA fragments which are re-dissolved in storage buffer. *Manufactured and quality-controlled in accordance with ISO 9001:2008*

**Description/Preparation:** The 50 kb DNA Ladder has a number of proprietary plasmids which are digested to completion with appropriate restriction enzymes to yield 17 bands suitable for use as molecular weight standards for agarose gel electrophoresis. The 50 kb DNA Ladder was designed for qualitative and approximately quantification of



DNA mass. There are no unspecific bands besides the fragments. The 3000bp fragment is used as a reference band.

**Usage:** max. 1 µg/lane

**Concentration:** 200 µg/ml

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

**Tracking Dye:** 10X DNA Loading dye as separate vial included

**Number of bands:** 17 fragments

**Loading:** 0.5 - max. 1.2 µg/ lane in 0,8 - 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: 0,5 µg of 50kb DNA Ladder visualized by ethidium bromide staining on 0,9 % TAE agarose gel after PFGE separation.*

Base Pairs	DNA Mass, ng	Base Pairs
48502	70	<b>3000</b>
39936	70	2500
24730	70	2000
15206	70	1500
10000	45	<b>1000</b>
8000	45	750
6000	45	<b>500</b>
5000	45	250
4000	45	

### Ordering information

Cat.-no	Description	Amount
308-025	50 kb large-range DNA Ladder	250 µg

GeneON .. a good decision ..

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Unless specified otherwise, all products of GeneON are sold for research use only.

*.. a good decision ..*