

4

DNA Standards

SERVA offers two types of DNA molecular weight size markers.

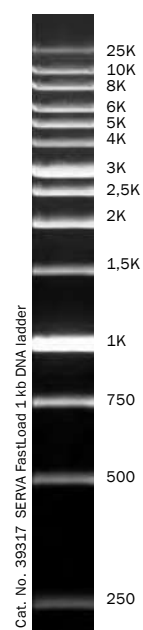
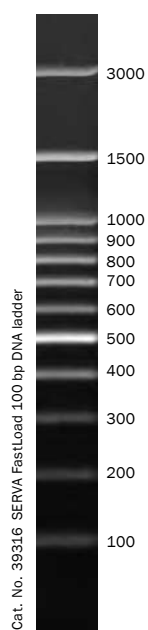
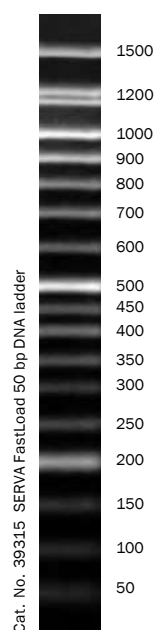
SERVA FastLoad DNA Ladders are ready-to-use DNA ladders for fragment ranges from 50 – 1500 bp, 100 – 3000 bp and 250 bp – 25 Kbp. SERVA DNA standards

lyophilized consist of a range of lyophilized DNA molecular weight standards covering traditional MW standards made by digestion of phage λ DNA as well as 100 bp and 1 Kbp ladders for PCR fragment analysis.

SERVA FastLoad DNA ladder

- Supplied in loading buffer
- The approximate mass of each band is indicated - easy mass estimation of DNA bands
- Can be stored for 6 months at 25 °C or for 12 months at 4 °C (long time storage at -20 °C)

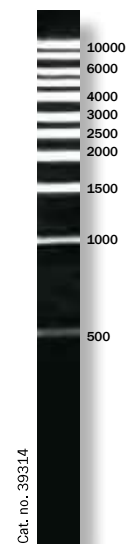
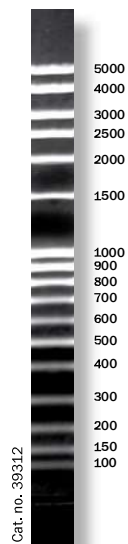
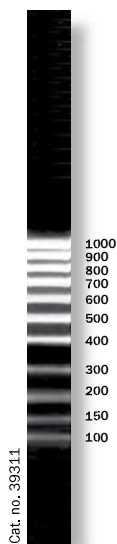
Description	DNA fragments	Fragment range	Load per lane	Size	Cat. no.
50 bp DNA ladder	17	50 - 1500 bp 200 and 500 bp with increased intensity	5 μ l (0.56 μ g)	500 μ l	39315.01
100 bp DNA ladder	12	100 - 3000 bp 500 and 1500 bp with increased intensity	5 μ l (0.54 μ g)	500 μ l	39316.01
1 kb DNA ladder	14	250 bp – 25 kb, 3000 and 1000 bp with increased intensity	5 μ l (0.52 μ g)	500 μ l	39317.01



SERVA DNA standards lyophilized

- High-quality fragment ends, lyophilized - can be resuspended in buffer of choice, for e.g. fill-in, 5'-end label
- 1 x 1 ml sample buffer is included for easy and fast resuspension of the DNA fragments
- Equimolar ladder for easy quantification
- Equalized ladder for same staining intensities of bands

Description	DNA fragments	Load per lane	Size	Cat. no.
100 bp ladder equimolar	11	0.7 - 1.0 µg	50 µg	39311.01
100 bp ladder extended	17	0.8 - 1.0 µg	50 µg	39312.01
1 Kb ladder	11	0.5 - 0.7 µg	4x 50 µg	39314.01



For size determination of DNA fragments in agarose gels you need size markers of high quality under the respect of fragment size and purity