

Long Range DNA Ladder marker

Catalogue No 414-1, 50 µg

Concentration 1µg/µl

Description: The Long Range DNA Ladder is suitable for sizing double-stranded DNA from 100bp to 8kb. The 1kb band has increased intensity to serve as reference point. The double-stranded ladder can be visualized on 1% to 2% agarose gels after ethidium bromide staining.

Preparation: Complete digestion of MINOTECH biotechnology plasmid mix with appropriate restriction enzyme yields the following 14 discrete fragments (in kilobase pairs): 8, 6, 5, 4, 3, 2, 1, 0.8, 0.6, 0.5, 0.4, 0.3, 0.2, 0.1.

Storage buffer: 10 mM Tris-HCl (pH 8.0) and 1 mM EDTA. Store at -20oC.

Note: Dilute in TE or other buffer of minimal ionic strength. DNA may denature if diluted in dH2O and subsequently heated.

