

Data Sheet (30.05.2014)

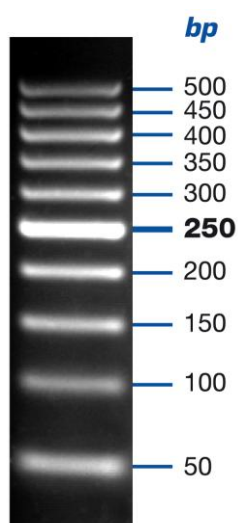
# mi-50 bp DNA Marker Go

50 bp to 500 bp log scale DNA ladder

ready-to-use

Cat.-No.	Amount	Conc.
mi-M8203	100 rx (500 µl)	0.1 µg/ µl

For research purposes only!  
Only for *in vitro* use!



3.0 % Agarose gel

## Storage Buffer

10 mM Tris-HCl (pH 7.5), 10 mM EDTA,  
10 % (w/ v) Glycerol, Orange G

## Storage

Store at -20 °C.

Short term storage (up to 4 weeks) at 4 °C possible.

## Description

mi-50 bp DNA Marker Go consists of 10 DNA fragments ranging from 50 bp to 500 bp and is supplied in a ready-to-use format containing an orange tracking dye. The marker is ideal for size determination of double stranded DNA fragments on agarose gels, generated by PCR or restriction digest.

DNA log scale ladders are well suited for combination if small and large fragments should be analyzed on one gel.

## DNA Fragments and their approx. quantity

50, 100, 150, 200, **250**, 300, 350, 400, 450, 500 bp  
{10 or **15** ng/ µl}

The marker is supplied in a ready-to-use mix at a concentration of 0.105 µg/ µl.

For the best result load 5 µl of marker per lane.

## Tracking dye movement in TAE buffer

DNA fragment size	Agarose conc.	Orange G
20-400 bp	3,6 %	2 bp
50-1000 bp	3,0 %	2 bp
100-2000 bp	2,4 %	3 bp
200-4000 bp	1,8 %	5 bp
500-10000 bp	1,2 %	10 bp
1000-30000 bp	0,6 %	100 bp