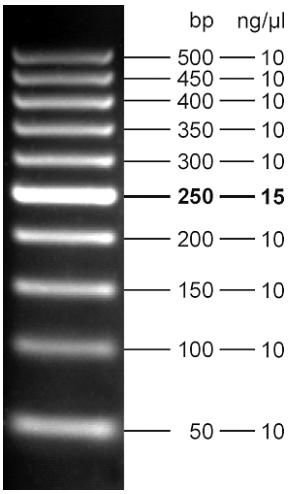
DATA SHEET

Jena Bioscience

Fluorescent 50 bp DNA Ladder

50 bp to 500 bp log scale
ready-to-use, orange, green fluorescent

Cat. No.	Amount
M-233S	500 µl (105 ng/µl)
M-233L	5 x 500 µl (105 ng/µl)



5 µl loaded onto 3.0 % agarose

For general laboratory use.

Shipping: shipped on gel packs

Storage Conditions: store at -20 °C

Additional Storage Conditions: store dark

Short term storage (up to 1 month) at 4 °C possible.

Shelf Life: 12 months

Form: liquid, DNA fragment mix in 10 mM Tris-HCl pH 7.5, 10 mM EDTA, 10 % (w/v) Glycerol, green-fluorescent DNA stain and Orange G

Color: orange

Concentration: 105 ng/µl

Description:
Fluorescent 50 bp DNA Ladder consists of 10 DNA fragments ranging from 50 bp to 500 bp. The prestained ladder is supplied in a ready-to-use format containing a green-fluorescent DNA stain and an orange tracking dye. It allows sizing and concentration estimate of 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.

Fluorescent DNA Stain:
DNA Ladders with Fluorescent DNA Stain contain a green-fluorescent DNA intercalator dye specially developed for DNA analysis applications. High quantum yield and excellent stability makes the green-fluorescent dye the ideal fluorophore for DNA staining applications and a superior replacement for Ethidium Bromide.
DNA Ladders with Fluorescent DNA Stain are optimized for direct loading into unstained agarose gels and are recommended for use in combination with Gel Loading Buffer with DNA Stain (#PCR-274 - #PCR-276).
The ladders provide highest convenience during routine handling and avoid commonly used gel stains like Ethidium Bromide.

Recommended Load:
5 µl per lane

DNA Fragments:
50, 100, 150, 200, **250**, 300, 350, 400, 450, 500 bp