

## CLEARLINE LADDER

Range: 100 bp – 1000 bp

MADE IN DENMARK

Cat. No.: 257738

100 lanes of 5 µl

-	ClearLine Ladder
ID No.	CL0.050-0042
Cap colour	Black
Content	1 x 0.5 ml

### Features and General Description

ClearLine DNA Ladder is a broad range dsDNA ladder with bands from 100 bp to 1000 bp (figure 1).

The ladder is supplied in loading buffer, ready-to-use on agarose and polyacrylamide gels. It is suitable with TBE, TAE, SB and LB electrophoresis systems.

The 500 bp band of ClearLine DNA Ladder comes with a higher intensity and can be used as a reference point.

### Suggestions for use of ClearLine PCR Ladder

- **Important:** Mix ladder briefly before use. Do not heat the ladder.
- Load 5 µl of ladder per lane (for gel wells of ~5 – 10 mm width).
- If band intensity is too high, then load a smaller volume of the ladder per lane.
- Agarose gel electrophoresis: Prepare 1-1.5 % gel. The dye should migrate 60 – 70 % the length of the gel.

- Polyacrylamide gel electrophoresis: Prepare 8 % gel. The dye should migrate approx. 90 % the length of the gel.
- Ethidium bromide (0.5 µg/ml) is the recommended gel stain.

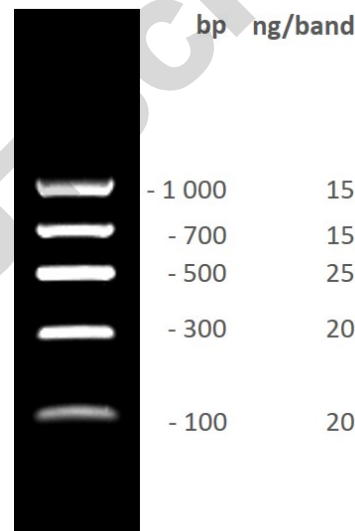
### Storage, Stability and Shipment

ClearLine DNA ladder may be kept safely at room temperature for at least 6 months from date of shipment. ClearLine DNA Ladders are guaranteed for 12 months when stored at 4°C. Aliquot product if necessary, to avoid repeated freezing and thawing cycles.

Shipped at ambient temperature. For long term storage, keep the ClearLine DNA Ladder at -20 °C for up to 3 years.

### Quality control

Agarose gel analysis shows that all bands are present at the expected location and band intensity.



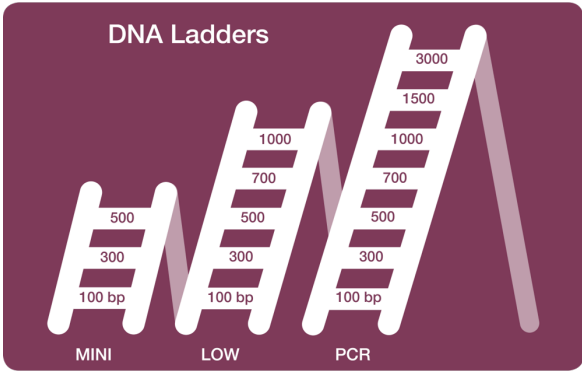
**Figure 1: ClearLine DNA Ladder.** 5 µl ClearLine PCR Ladder was loaded on a 1.5 % agarose in 1x TBE and stained with ethidium bromide.

Other product sizes, combinations and customized solutions are available. Please look at [www.dutscher.com](http://www.dutscher.com) or ask for our complete product list for PCR Enzymes. For customized solutions please contact us.

Made in Denmark

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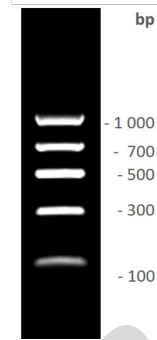
**ClearLine DNA Ladders**



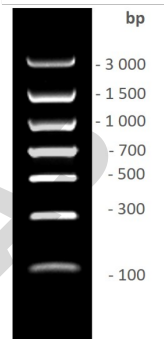
**Mini DNA Ladder**



**Low DNA Ladder**



**PCR Ladder**



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