

## ClearLine Ladder

Range: 100 bp – 500 bp

MADE IN DENMARK

**Cat. No.: 257740**

100 lanes of 5  $\mu$ l

-	<b>ClearLine Ladder</b>
<b>ID No.</b>	CL0.500-0041
<b>Cap colour</b>	Black
<b>Content</b>	1 x 0.5 ml

### Features and General Description

ClearLine Ladder is a broad range dsDNA ladder with bands from 100 bp to 500 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.

### Suggestions for use of ClearLine PCR Ladder

- **Important:** Mix ladder briefly before use. Do not heat the ladder.
- Load 5  $\mu$ l of ladder per lane (for gel wells of  $\sim$ 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  $\mu$ g/ml) is the recommended gel stain.

For Research Use Only. Not for use in diagnostics procedures.

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.

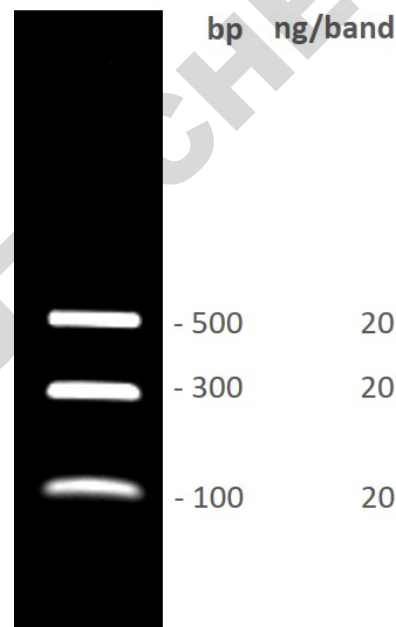
### Storage, Stability and Shipment

ClearLine ladder may be kept safely at room temperature for at least 6 months from date of shipment. ClearLine 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 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.

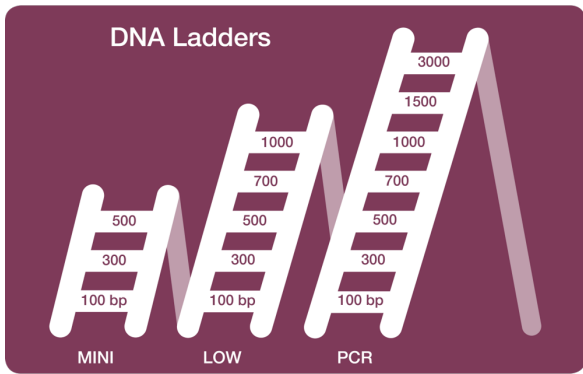


**Figure 1: ClearLine Ladder.** 5  $\mu$ l ClearLine PCR Ladder was loaded on a 1.5 % agarose in 1x TBE and stained with ethidium bromide.

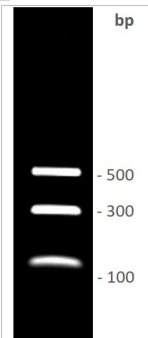
Made in Denmark

Issued 08/2021

# ClearLine Ladders



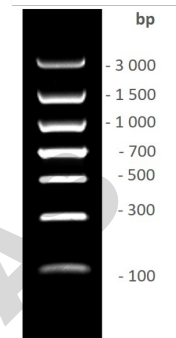
**Mini DNA Ladder**



**Low DNA Ladder**



**PCR Ladder**



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