AMPLIQON
PCR ENZYMES & REAGENTS

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PCR DNA Ladder

Range: 100 bp – 3000 bp
250 lanes of 2 µl

MADE IN **DENMARK**

Cat. No.	PCR DNA Ladder ID: 5401300
A610341	1 x 0.5 ml

Features and General Description

PCR DNA Ladder is a broad range dsDNA ladder with bands from 100 bp to 3000 bp (figure 1). The ladder can be used to quantitate the amount of DNA in a sample since the mass of DNA in each band in the ladder has been calibrated to 10 ng DNA except the 1000 bp band, which contains 30 ng DNA. The 1000 bp band is thus more intense and an easy to identify reference point. The 100 bp band may appear faint due to diffusion during electrophoresis.
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 PCR DNA Ladder

- **Important:** Mix ladder briefly before use. Do not heat the ladder.
- Load 1 µl to 5 µl of ladder per lane (for gel wells of ~5 – 10 mm width)
- Agarose gel electrophoresis: Prepare 1% 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

PCR DNA ladder may be kept safely at room temperature for at least 3 months from date of shipment. 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 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.

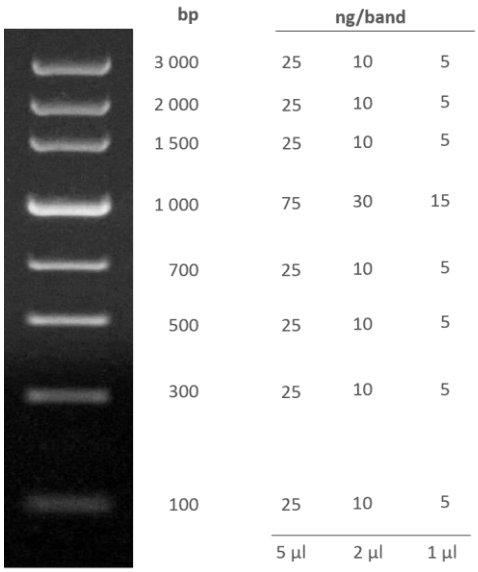

Figure 1: PCR DNA Ladder. 2 µl PCR DNA Ladder was loaded on a 1% agarose in 1x TAE and stained with ethidium bromide.

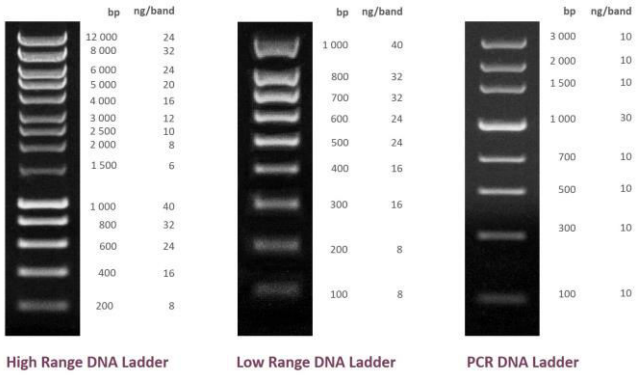

Figure 2: The Ampliqon DNA Ladders.

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

Other product sizes, combinations and customized solutions are available. Please look at www.ampliqon.com or ask for our complete product list for PCR Enzymes. For customized solutions please contact us.

Made in Denmark

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