

## Iqon Low DNA Ladder

Range: 100 bp – 1000 bp

MADE IN DENMARK



Cat. No.: A610541

A610541

100 lanes of 5 µl

-	Iqon Low DNA Ladder
ID No.	5401600
Cap colour	Black
Content	1 x 0.5 ml

### Features and General Description

Iqon Low 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 Iqon Low DNA Ladder comes with a higher intensity and can be used as a reference point.

### Suggestions for use of Iqon Low DNA Ladder

- **Important:** Mix ladder briefly before use. Do not heat the ladder.
- Load 5 µl of ladder for a 5 mm gel lane. For gels with other lane widths add 1 µl ladder per 1 mm gel lane.
- 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.

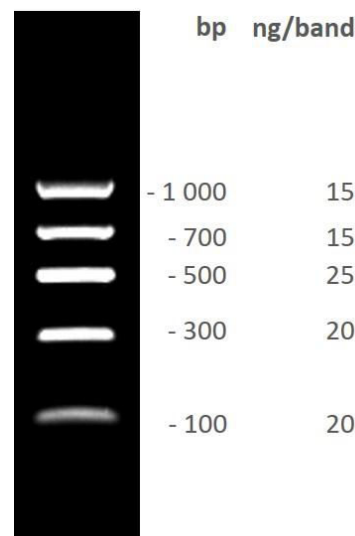
### Storage, Stability and Shipment

Iqon Low DNA ladder may be kept safely at room temperature for at least 6 months from date of shipment. Iqon 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 Iqon Low 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: Iqon Low DNA Ladder.** 5 µl Iqon PCR Ladder was loaded on a 1.5 % agarose in 1x TBE and stained with ethidium bromide. Gel lane: 5 mm.

## Related Products

DNA Ladder	Cat. No.
Low Range DNA Ladder: 100 -1000 bp. 250 lanes	A610241
PCR DNA Ladder: 100 -3000 bp. 250 lanes	A610341
Iqon Mini DNA Ladder: 100 - 500 bp. 100 lanes	A610441
Iqon Low DNA Ladder: 100 - 1000 bp. 100 lanes	A610541
Iqon PCR Ladder: 100 - 3000 bp. 100 lanes	A610641

Loading Buffers	Cat. No.
5x Loading Buffer Red, 5 x 1 ml	A608104
5x Loading Buffer Blue, 5 x 1 ml	A608204
5x Loading Buffer Orange, 5 x 1 ml	A608304
5x Loading Buffer Cyan, 5 x 1 ml	A608404

Ultrapure dNTPs*	Cat. No.
dNTP Mix 40 mM (2 x 500 µl): 10 mM each dA, dC, dG, dT	A502004
dNTP Set, 100 mM each: 250 µl of each dA, dC, dG and dT	A511104

\*Other concentrations and Single dNTPs are available.

PCR Grade Water	Cat. No.
6 x 5 ml	A360056

Taq Polymerase (500 units)	Cat. No.
Taq DNA Polymerase 5 U/µl	A110003
• with 10x Ammonium Buffer	A111103

AQ97 High Fidelity DNA Polymerase 2 U/µl*	Cat. No.
With 5x AQ97 Buffer – 500 U	A767503

\* Available in different size ranges.

Hot Start Polymerase (500 units)	Cat. No.
TEMPase Hot Start DNA Polymerase, 5 U/µl	A220003
• with 10x Ammonium Buffer	A221103

AQ97 High Fidelity DNA Polymerase 2x Master Mix*	Cat. No.
100 reactions	A770101

\* Available in different size ranges.

Taq Master Mixes (500 x 50 µl reactions)	Cat. No.
2x Master Mix, 1.5 mM MgCl <sub>2</sub> final concentration	A140303
2x Master Mix RED, 1.5 mM MgCl <sub>2</sub> final concentration	A180303

TEMPase Hot Start Master Mixes (500 x 50 µl reactions)	Cat. No.
2x Master Mix A**, 1.5 mM MgCl <sub>2</sub> final concentration	A230303
2x Master Mix A**BLUE, 1.5 mM MgCl <sub>2</sub> final concentration	A290403

Real-time PCR Master Mixes (400 x 25 µl reactions)	Cat. No.
RealQ Plus 2x Master Mix for probe,	
• without ROX <sup>TM</sup>	A313402
• with low ROX <sup>TM</sup>	A314402
• with high ROX <sup>TM</sup>	A315402
RealQ Plus 2x Master Mix Green	
• without ROX <sup>TM</sup>	A323402
• with low ROX <sup>TM</sup>	A324402
• with high ROX <sup>TM</sup>	A325402

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](http://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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## Iqon DNA Ladders

