



ECON Low DNA Ladder, 100 – 1000 bp. 100 lanes Cat #: 19-131

Contents: 1 x 0.5 ml

Lot Number: See Vial

Storage: -20°C

Reagent for *in vitro* laboratory use only

General Description

ECON Low DNA Ladder is a dsDNA ladder with bands from 100 bp to 1000 bp (figure 1). The ladder is supplied in 5x 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.

Key Features

- Molecular range from 100 bp to 1000 bp
- Convenient ready-to-use formulation
- 100 lanes of 5 µl

Storage and Stability

Apex ECON DNA Ladders are guaranteed for 12 months when stored at 4°C. For long term storage, ECON DNA Ladders can be stored at -20°C freezer for up to 3 years. Apex ECON DNA Ladders may be kept safely at room temperature for at least 6 months from date of shipment.

Quality control

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

Suggestions for use of ECON Low DNA 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)
- 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
- Avoid multiple freezing/thawing.
- For long term usage, aliquoting is recommended.

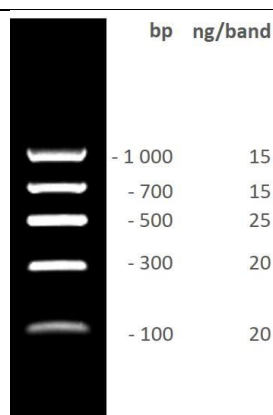


Figure 1: ECON Low DNA Ladder. 5 µl ECON Low DNA Ladder was loaded on a 1.5 % agarose in 1x TBE and stained with ethidium bromide. Estimated concentrations of the DNA bands are indicated.

Related Products

Master Mixes (500 reactions)	Cat#
2X Taq RED Master Mix, 1.5 mM MgCl ₂	42-138
2X Taq Master Mix, Clear, 1.5 mM MgCl ₂	42-134
2X Hot Start Master Mix Buffer I, 1.5 mM MgCl ₂	42-198
2X Hot Start Master Mix Buffer I Blue, 1.5 mM MgCl ₂	42-144

The shown master mixes are ammonium based. Also available with balanced ammonium and potassium based buffers.

DNA Ladders	Cat#
Apex 100 bp-Low DNA Ladder, 250 applications	19-109
Apex 1 kb DNA Ladder, 333 applications	19-115
Apex 200 bp DNA Ladder, 200 applications	19-111
Apex ECON Mini DNA Ladder, 100 applications	19-130
Apex ECON Low DNA Ladder, 100 applications	19-131
Apex ECON PCR Ladder, 100 applications	19-132

Accessory reagents	Cat#
50 mM MgCl ₂ , 3 x 1.5 ml	42-303
Nuclease-Free Water, PCR Grade, 6 x 5 ml	42-710

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