



ECON PCR Ladder, 100 – 3000 bp. 100 lanes Cat #: 19-132

Contents: 1 x 0.5 ml

Lot Number: See Vial

Storage: -20 °C

Reagent for *in vitro* laboratory use only

General Description

ECON PCR Ladder is a broad range dsDNA ladder with bands from 100 bp to 3000 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 700 bp band of Iqon PCR Ladder comes with a higher intensity and can be used as a reference point.

Key Features

- Molecular range from 100 bp to 3000 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 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)
- 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.

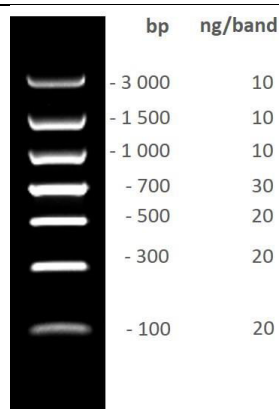


Figure 1: ECON PCR Ladder. 5 µl ECON PCR Ladder was loaded on a 1.5 % agarose in 1x TBE and stained with ethidium bromide. Estimated concentrations of each DNA bands are indicated.

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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