



Molecular Weight Marker

DNA Quant Ladder

Cat #: 19-119

Contents: 250 µl 100 lanes

Storage: 4°C.

Reagent for *in vitro* laboratory use only

General Description

Apex purified molecular weight markers do not contain any residual plasmid. Apex molecular weight markers are 100% marker without extraneous DNA.

6x Loading Buffer is provided for convenience.

Quality Control

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

Apex DNA standards are tested for stability by extended incubation at 37°C. Twenty days' continuous incubation results in no detectable difference in the banding patterns or background staining. Apex DNA standards are guaranteed stable at room temperature for 12 months.

Composition of Storage Buffer

10mM Tris-HCl pH 7.6, 10mM EDTA, 10% Glycerol, 0.005% bromophenol blue.

Composition of 6x Loading Dye Solution

10mM Tris-HCl pH 7.6, 60mM EDTA, 60% Glycerol, 0.03% bromophenol blue.

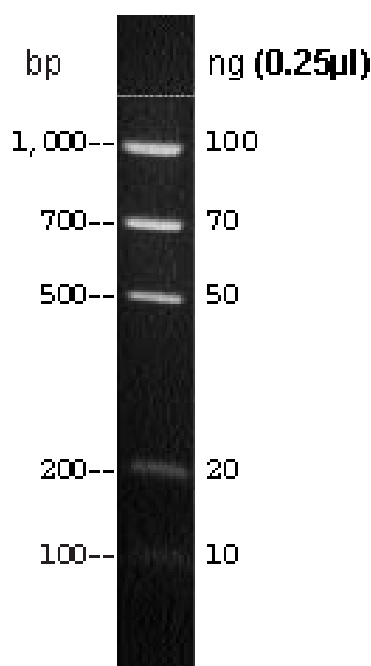
Shipping and Storage Conditions

Product is shipped at ambient temperature. The ladder is stable for one year at Room Temperature. The ladder may be stored at 4°C for three to six months. Storage at -20°C may increase shelf life.

Determination of Concentration

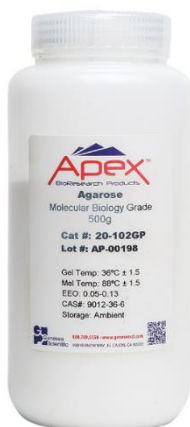
The concentrations of DNA Quantladder and Reverse Quantladder fragments are determined by UV absorbance at 260nm wavelength, using the conversion factor: 1.00 A₂₆₀ unit = 50µg/ml DNA.

Absorbance values have been calibrated to the U.S. National Bureau of Standards U.V. absorbance standard SRM935, according to the procedures described in NBS Special Publication 260-54. Fragment concentrations are accurate to within 1%.



Apex AGAROSE guarantee

- Low EEO (=0.12) - This means biological macro-molecules such as proteins or nucleic acids as well as larger particles such as viruses and subcellular fragments can migrate through gel's neutral properties.
- Sharp, finely resolved banding resolution as well as excellent transparency for easy reading.
- Extraordinarily low gel background after applying staining agents.
- Superior mechanical resistance for more reliable and easier handling.



Description	Cat#
General Purpose Agarose (500 g)	20-102

Ethidium Bromide Dropper Bottle



Concentration:
0.625mg/ml
EtBr Capacity: 5mg

Adding Ethidium Bromide has never been easier and safer! For the recommended final concentration of 0.5 µg/ml, simply add one drop for every 50 ml of solution.

Description	Cat#
EtBr Dropper Bottle, 10ml	20-276

Ethidium Bromide Destaining Bags



Solutions and gels for safe and easy disposal. Now with our activation solution (included) our destaining bags demonstrate increased absorption efficiency speed relative to other similar products. Simply add ~5 ml of activation solution to the bag prior to use.

Description	Cat#
EtBr Destaining Bags, 25 Bags	20-277

Related Products

Taq Polymerase kits (500 units)	Cat#
With 10X Standard and Ammonium Reaction Buffer	42-800B1
With 10X Combination Buffer	42-800B3
Glycerol Free	42-800B4

Hot Start DNA Polymerase (500 units)	Cat#
With 10X Ammonium and Combination Reaction Buffer	42-106

High Fidelity - Proof reading (500 units)	Cat#
Hi-Fi PR™ Taq 2.5 U/µl	42-110

All polymerases are also available in kits, Mg²⁺ free buffers and 50 mM MgCl₂.

Master Mixes (500 reactions)	Cat#
2X Taq DNA Polymerase Master Mix, 1.5 mM MgCl ₂	42-132
2X Taq RED Master Mix, 1.5 mM MgCl ₂	42-138
2X Hot Start Master Mix Buffer I, 1.5 mM MgCl ₂	42-198

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

Real-time PCR (400 reactions)	Cat#
qPCR 2X Master Mix for Probe, without ROX™	42-116P
qPCR 2X Master Mix for Probe, low ROX™	42-118P
qPCR 2X Master Mix for Probe, high ROX™	42-120P
qPCR 2X GREEN Master Mix, without ROX™	42-116PG
qPCR 2X GREEN Master Mix, low ROX™	42-118PG
qPCR 2X GREEN Master Mix, high ROX™	42-120PG

Ultrapure dNTPs	Cat#
dNTP set, 100 mM each: 250 µl of each dA, dC, dG and dT	42-410
dNTP Set, 100 mM each: 1 ml of each dA, dC, dG and dT	42-403
dNTP Mix 40 mM (1 x 500 µl): 10 mM each dA, dC, dG, dT	42-411
dNTP Mix 100 mM (2 x 1 ml): 25 mM each dA, dC, dG, dT	42-405
dNTP Mix 10 mM (10 x 1 ml): 2.5 mM each dA, dC, dG, dT	42-406

Other concentrations and Single dNTPs are available.

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

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