1kb PCR Ranger DNA Marker

75bp-To-20kb, Ready-to-use

D1109

Storage

Store at -20°C.

Stable for at least 3 months at 4°C .

Contents

- Product Manual
- 1kb PCR Ranger DNA Marker,
  composed of fifteen chromatography-purified individual DNA fragments in 10mM tris-HCl (pH7.6 at 25°C), 1mM EDTA, 5% Glycerol, 1.66% Sucrose, 0.01% Xylene cyanol FF, 0.01% Cresol Red, 0.013% Bromophenolblue, 0.05% Orange G

Shipping Condition

Ship with ice pack.

Introduction

The 1kb PCR Ranger DNA Marker is a premixed, ready-to-use molecular weight marker containing 4 dyes which serve as visual aids to monitor the progress of migration during agarose gel electrophoresis. This product is designed for sizing and approximate quantification of wide range double-stranded DNA fragments on agarose and poly -acrylamide gels. The marker is composed of fifteen chromatography-purified individual DNA fragments (in base pairs) : 20000, 10000, 7000, 5000, 4000, 3000, 2000, 1500, 1000, 700, 500, 400, 300, 200, 75. The 5000, 1500 and 500 base pair bands have increased intensity to serve as reference points.

Recommendations

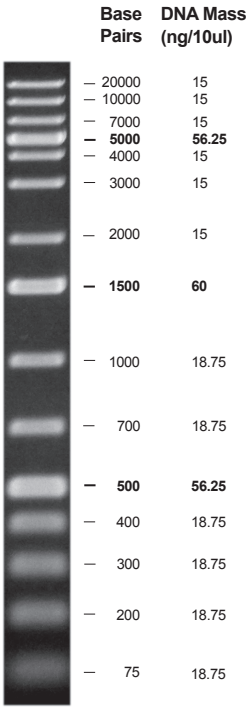
- Recommended load : 5-10ul

-The 1kb PCR Ranger DNA Marker was not designed for precise quantification of DNA mass, but can be used for approximating the mass of DNA in comparably intense samples of similar size. The approximate mass of DNA in each of the bands in 1kb PCR Ranger DNA Marker is as following picture (assuming a 10ul loading).

Related Product

Product Name	Cat No
Agarose, Sepro	A0224
1kb PCR Ranger DNA Marker, 75bp-to-20kb	D1109
SafePinky DNA Gel Staining Solution (10,000X) in water	S1001
iVDye 100bp DNA Ladder	V1002
iVDye 1kb DNA Ladder	V1003

Note



10ul of 1kb PCR Ranger DNA Marker stained by ethidium bromide on a 1.0% agarose gel in 1X TBE.

The Four-colors loading dye allows to presume an approximate position of anticipated DNA during Elecrtrophoresis.

On a 1.2% agarose gel in 1X TBE.

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