100bp PCR Ranger DNA Marker

100bp-to-3kb, Ready-to-use

D1108

Storage

Store at -20°C.

Stable for at least 3 months at 4°C .

Contents

- Product Manual
- 100bp PCR Ranger DNA Marker,
  composed of fourteen chromatography-purified individual DNA fragments in 10mM tris-HCl (pH7.6 at 25°C), 10mM 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 100bp 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 fourteen chromatography-purified individual DNA fragments (in base pairs) : 3,000, 2,000, 1,500, 1,200, 1,000, 900, 800, 700, 600, 500, 400, 300, 200, 100. The 500 and 1000 base pair bands have increased intensity to serve as reference points.

Recommendations

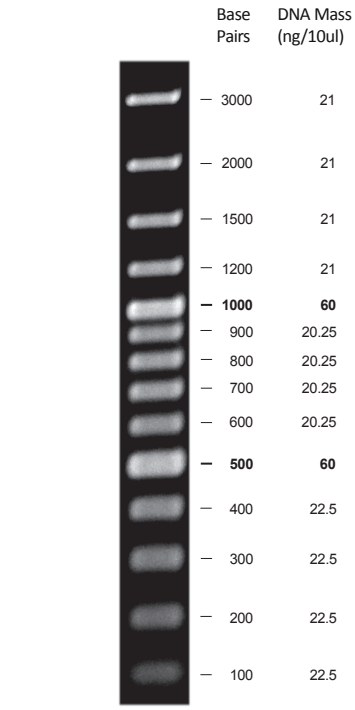
- Recommended load : 5-10ul

-The 100bp 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 100bp PCR Ranger DNA Marker is as following picture (assuming a 10ul loading).

Related Product

Product Name	Cat No
Agarose, Sepro	A0224-050
1kb PCR Ranger DNA Marker, 75bp-to-20kb	D1109-001
SafePinky DNA Gel Staining Solution (10,000X) in water	S1001-025
iVDye 100bp DNA Ladder	V1002-001
iVDye 1kb DNA Ladder	V1003-001

Note



10ul of 100bp 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 0.2% agarose gel in 1X TBE.

GenDEPOT PO Box 454 Barker, Tx 77413 tech@gendepot.com