1Kb plus DNA Ladder RTU

17 SEP 2021

Catalog Number	Size	Concentration
DM015-R500	100 reactions	50 µg / 500 µl
DM015-B50ML	10000 reactions	50 µg / 500 µl

Storage Conditions

Stable for up to 6 months at 25°C.

Stable for up to 12 months at 4°C.

Stable for up to 24 months at -20°C.

Description

A unique combination of PCR products and a number of proprietary plasmids digested with appropriate restriction enzymes to yield 13 fragments, suitable for use as molecular weight standards for agarose gel electrophoresis. The DNA includes fragments ranging from 100 - 10,000 base pairs. The 1K and 3K bands have increased intensity to serve as reference points. The approximate mass of DNA in each band is supplied as (0.5 µg per loading) for estimating the mass of DNA in comparably intense samples of similar size.

Kit Content(s)

1Kb plus DNA ladder RTU	500µl x 1 vial / 50ml x 1 bottle

Source

PCR products and double-stranded DNA digested with appropriate restriction enzymes, are phenol extracted and equilibrated to 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

Required materials but not provided

- Horizontal Electrophoresis system
- Power supplies
- Vortex or equivalent
- Microcentrifuge

Reaction Setup

5 µl / well, containing bromophenol blue & xylene cyanol FF as tracking dyes.

Range : 100 - 10,000 bp

Number of bands : 13

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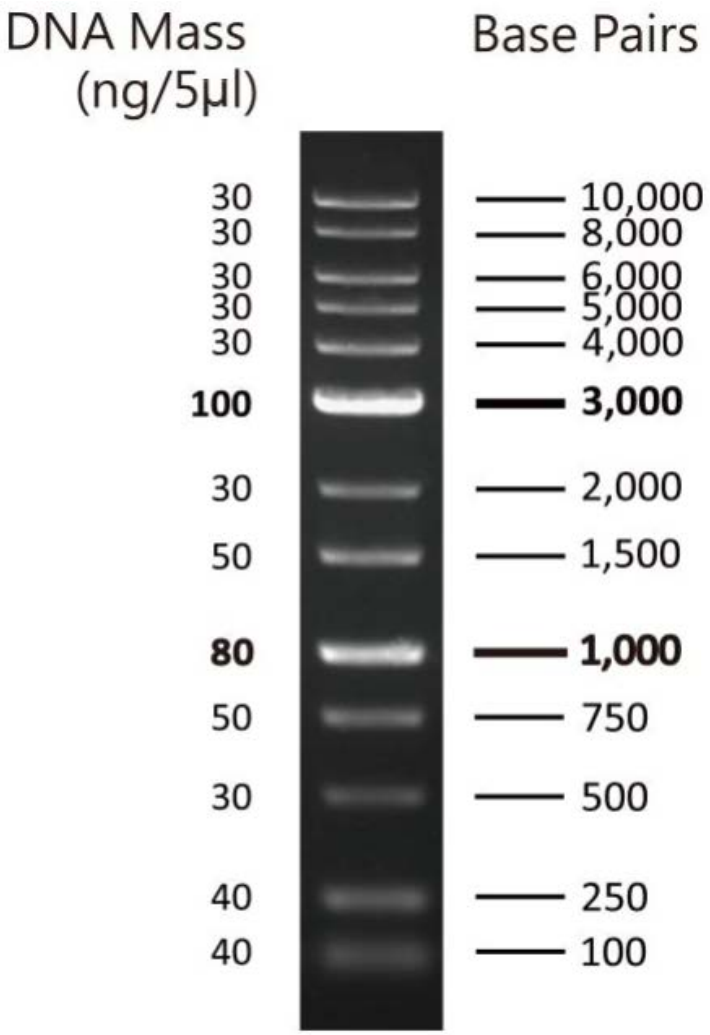

1 % TAE agarose gel

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