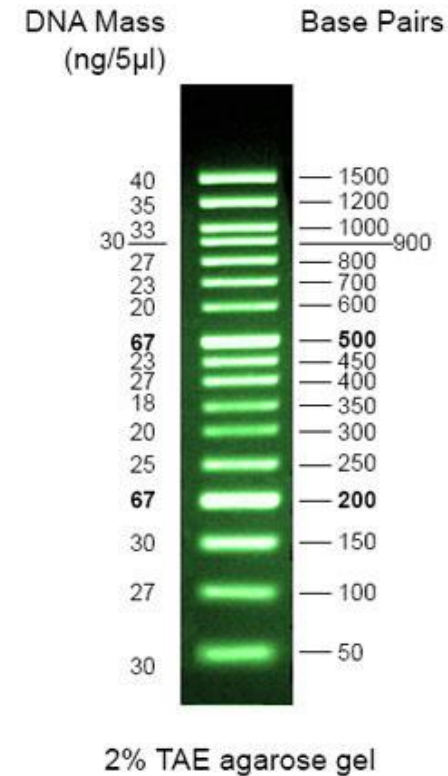


Image Green™ 100 bp DNA Marker

CATALOG NO.:	M1156-500
AMOUNT:	500 µl (100 loads)
RANGE:	50 bp-1.5 kb
NUMBER OF BANDS:	17
SUGGESTED LOAD:	5 µl
FORM:	Liquid
STORAGE CONDITIONS:	Store at 4°C for up to 3 months or -20°C for up to 24 months

DESCRIPTION: Image Green™ DNA Marker is a ready-to-use DNA ladder, which contains a Green DNA stain for direct loading on gel. The DNA stain is non-toxic and is an efficient alternative DNA visualizing agent to the carcinogenic ethidium bromide. The brightness of Image Green™ DNA Markers is optimized for compatible and proper camera exposure in applications along with PCR products generated from BioVision's Image 2X PCR Master Mixes as well as from any other SYBR Green-like-based PCR amplification. To use the Image Green™ DNA Markers, simply load 5 µl of the marker onto a plain gel and perform electrophoresis along with samples; Visualize the gel using an UV light source. Image Green™ has an excitation maximum at 495 nm and an emission maximum at 520 nm.

PCR products and double-stranded DNA were digested with appropriate restriction enzymes to completion to yield 17 bands, ranging from 50 bp-1.5 kb, for molecular weight standards in agarose gel electrophoresis. The 200 and 500 base pair bands have increased intensity to serve as quick reference points. Approximated mass of each DNA band is provided (for a loading size of 5 µl of the DNA ladder) for approximating the mass of DNA in comparably intense DNA samples of similar size.

**RELATED PRODUCTS:**

- Image Green™ 1 kb DNA Marker (Cat# M1155-500)
- BriteRuler 1 kb DNA Ladder (Ready-to-use) (Cat# 9301-100)

FOR RESEARCH USE ONLY! Not to be used on humans.