

Genaxxon BioScience

pBR322-Hae III DNA Marker

Recommended for sizing of small DNA fragments.

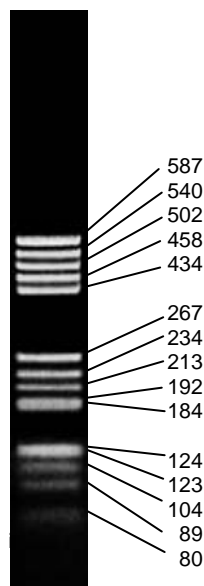
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Product	Cat#	Package size
pBR322-Hae III DNA marker	M3080.0050	1 x 50µg
pBR322-Hae III DNA marker	M3080.0250	1 x 250µg

Description

The Genaxxon BioScience pBR322-Hae III DNA Ladder is an ideal DNA size marker for small DNA fragments in the principle range of 8bp to 587bp. The marker is generated by digestion of pBR322 plasmid with Hae III yielding 22 fragments.

Fragment sizes



1 µg of M3080 DNA-Ladder.
 2.5 % Agarose/TBE.
 5 V/cm for 1.5 hours.

Fragment sizes	ng/0.5µg
80bp	9.0
89bp	10.0
104bp	12.0
123bp	14.0
124bp	14.0
184bp	21.0
192bp	22.0
213bp	24.0
234bp	27.0
267bp	30.5
434bp	50.0
458bp	52.5
502bp	57.5
540bp	62.0
587bp	67.0

Additional fragments that are not visible in standard electrophoresis

64bp, 57bp, 51bp, 21bp, 18bp, 11bp, 8bp. DNA-bands 64bp, 57bp and 51 might be visible high resolution gels (5%, 3h). All smaller bands are prediction based on the theoretical digestion pattern.

Stability and Storage

Very stable in the delivered form at a constant temperature of -20°C. It is not recommended to thaw and freeze. Repeat thaw-freeze cycles (> 10 times) will harm the DNA-marker. Store the DNA-marker at -20°C.

Concentration

Marker is dissolved in buffer without dye. The total concentration of the DNA-Marker is about 0.2 µg / 1 µL. The DNA is dissolved in buffer containing 10 mM Tris/HCl (pH 7.8), 10 mM NaCl, 1 mM EDTA.

Loading

We recommend to load 0.5 - 1.0µg (3 - 5µL) per lane.

Related Products

Genaxxon offers also different DNA-Polymerases, Agaroses and dNTPs. Please visit our web-page for details: www.genaxxon.com.