

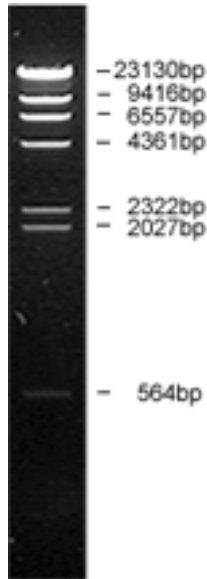


## Product Information

**Catalogue:** M104R-1 / M104R-2

**Product Name:** Lambda DNA/ *Hind* III Marker (Ready-to-use)

**Size:** 600µl / 5x600µl



**Description:**

Lambda DNA/ *Hind* III marker are made by digesting Lambda DNA to completion with *Hind* III. The resulting DNA was subjected to phenol-chloroform extraction and dialysis in 1 X TE (pH 8.0). It is supplied in gel loading buffer and can be directly applied on to agarose gel. The seven DNA fragments range from 564 to 23,130 base pairs.

**Recommended Loading:** 6µl (or 1µl/mm width of gel well)

**1 x loading buffer:** 10mM Tris-HCl, pH 8.0. 1mM EDTA, 5% Glycerol, 0.02% bromophenol blue, 0.02% xylene cyanol.

**Concentration:** 500ng/6µl

**Storage:** -20°C

0.8% agarose gel

**Note:** The cohesive ends of the 12 nt cos site of bacteriophage lambda from fragments of 23130 bp and 4361 bp may anneal and form an additional band at 27491 bp. These fragments may be separated by heating at 65°C for 5min and then cooling on ice for 3min.

**Quality Control:**

- a) Agarose gel analysis shows that the bands between 564 bp and 23130 bp are distinguishable.
- b) Incubation of 10µl of the Lambda DNA/ *Hind* III marker in restriction enzyme buffer overnight at 37°C shows absence of visible degradation.