

Phage Lambda DNA Hind III digest

Features: Supplied in 6X Loading buffer

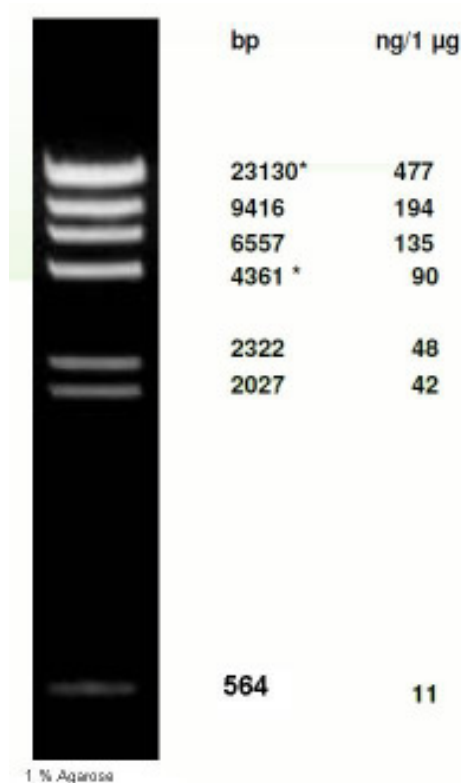
Description/Preparation:

The Hind III digest of phage-DNA yields the following 8 discrete fragments. Lambda DNA was completely digested by Hind III, phenol extracted, ethanol precipitated, dissolved in 10 mM Tris-HCl (pH 8.0) and 1 mM EDTA. **The marker is ready-to-use.**

Usage: 0,5 µg/lane

Concentration: 0.2 µg/µl

Number of bands: 8 23130*, 9416, 6557, 4361*, 2322, 2027, 564, 125.



Loading:

Agarose Gel / Polyacrylamide Gel

- Vortex gently before using
- apply 0,5 µg (agarose) or 0.5-0.8 µg (polyacrylamide gel) per 1 mm lane

Quantification:

See the graph for the percentage of the bands and the amount of DNA per band in ng, relating to 0.5 µg loaded marker. Use the same volume of DNA and marker. Additionally the concentration of loading buffer in samples and marker should be equal.

Note:

The ends (cohesive 12 b 'cos sites' of bacteriophage λ) of the 23130 bp and the 4361 bp fragment can anneal and compose an additional band. This fragment can be separated by heating the marker to 65 °C (5 min) and subsequent cooling on ice (3 min).

Ethidium bromide migrates contrarily to the DNA during electrophoresis. Therefore the distribution of ethidium bromide in the gel is not constant. To ensure equal distribution of ethidium bromide in the gel add 0.5 mg/l ethidium bromide to electrophoresis buffer or dye the gel after the run

Transportation: Shipped on blue ice or room temperature

Storage: at -20 °C for 24 months

Ordering Information:

| Cat.-no | Description | Amount |
|---------|---------------------------|------------|
| 300009 | Phage Lambda DNA Hind III | 2 x 100 µg |
| 300010 | Phage Lambda DNA Hind III | 5 x 100 µg |