

## Description/Preparation:

The EcoRI/HindIII digest of phage-DNA yields the 13 discrete fragments. Lambda DNA was completely digested by EcoRI/HindIII, phenol extracted, ethanol precipitated, dissolved in 10 mM Tris-HCl (pH 8.0) and 1 mM EDTA. The marker is ready-to-use.

**Features:** Supplied in 6X Loading buffer

**Usage:** 0,5 µg/lane

**Concentration:** 0,2 µg/µl

**Number of bands:** 13 21226\*, 5148, 4973, 4268, 3530\*, 2027, 1904, 1584, 1375, 947, 831, 564, 125

## Loading:

### Agarose Gel / Polyacrylamide Gel

- Vortex gently before using
- apply 0,5 µg (agarose) or 0.5-0.9 µg (polyacrylamide gel) per 1 mm lane

## Quantification:

See the graph for the percentage of the bands 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:

Dilute in TE or other buffer of minimal ionic strength. DNA may denature if diluted in dH<sub>2</sub>O and subsequently heated.

\*The cohesive ends (12b cos site of bacteriophage) of fragments 21226 bp and 3530 bp may anneal to and form the additional band. These fragments may be separated by heating to 65°C for 5 min and then cooling on ice for 3 min.

**Transportation:** Shipped on blue ice or room temperature

**Storage:** at -20°C for 24 months

| Prod. No. | Description                    | Quantity   |
|-----------|--------------------------------|------------|
| 3900013   | DNA / EcoR I / Hind III Digest | 200 µg     |
| 3000014   | DNA / EcoR I / Hind III Digest | 5 x 200 µg |