

## Product Information

### Lambda DNA *Hind* III Digest

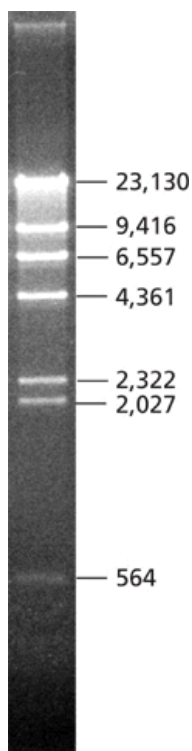
Product Number **D9780**

Storage Temperature  $-20\text{ }^{\circ}\text{C}$

#### Product Description

*Hind* III digested bacteriophage Lambda DNA is suitable for size determination of double-stranded DNA using DNA electrophoresis and is provided as a solution in 10 mM Tris HCl, pH 8.0, with 1 mM EDTA.

**Figure 1.** Gel image of Lambda DNA *Hind* III Digest run on a 0.75% agarose gel in 1xTBE



#### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### Storage/Stability

Store at  $-20\text{ }^{\circ}\text{C}$ .

#### Procedure

Typically 1  $\mu\text{g}$  per well (0.1  $\mu\text{g}/\mu\text{l}$ , 10  $\mu\text{l}$  load) can be visualized using ethidium bromide staining. The recommended agarose gel concentration is 0.75% for this marker. A sample of the marker should be diluted with gel loading buffer (Product Number G2526) to an appropriate loading concentration. To enhance resolution, the solution may be heated to  $65\text{ }^{\circ}\text{C}$  for 5 minutes and quick cooled on ice prior to loading. Agarose gel electrophoresis can be performed in 1x TBE (Product Number T6400) or 1x TAE (Product Number T6025) followed by staining for  $\sim 30$  minutes in 1  $\mu\text{g}/\text{ml}$  ethidium bromide. Ethidium bromide background can be reduced by destaining for 30–45 minutes in 1x electrophoresis buffer.

#### References

Hendrix, R.W., et al., LAMBDA II, Cold Spring Harbor Laboratory, N.Y. (1983), p. 519-676.

JD,KTA 01/06-1