

## DATA QUALITY SHEET



### **$\lambda$ DNA Marker, Hind III digest**

*FOR RESEARCH USE ONLY*

*Cat. GC-015-018*

#### **DESCRIPTION**

Hind III- $\lambda$  DNA marker consists of 7 fragments ranging in size from 564 to 23130 bp. Their asymmetric distribution makes determination of molecular weight easier. Two fragments (4361 bp and 23130 bp) containing the cos sites of bacteriophage lambda may hybridise to each other resulting in an additional band at 24756 bp. This can be avoided by heating the marker to 80°C for 15 minutes and cooling it on ice.

#### **STORAGE TEMPERATURE**

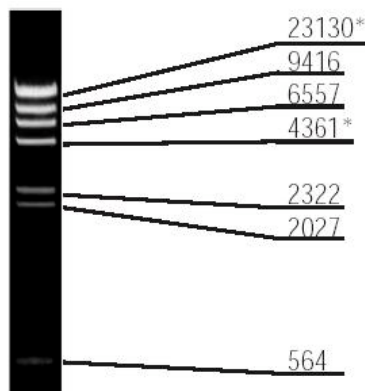
Store at +4°C to -20°

#### **STORAGE BUFFER**

100  $\mu$ g in 1 ml (100rxns) loading buffer (0.25% bromphenol blue, 0.25% xylene cyanol FF, 40% sucrose in water).

#### **ASSOCIATED ACTIVITIES**

The marker is ready to use. Load 10 $\mu$ l in one lane. To demonstrate the mobility of the DNA fragments, 1 $\mu$ g of marker was loaded into a 1% agarose gel.



#### **FUNCTIONAL ANALYSIS**

Tested functionally in a unit activity test.