

DATA QUALITY SHEET



λ DNA Marker, EcoR I/Hind III digest

FOR RESEARCH USE ONLY

Cat. GC-015-007

DESCRIPTION

EcoR I/Hind III λ DNA marker consists of 13 fragments ranging in size from 564 to 21226 bp. It yields the following 13 discrete fragments (in bp): 564, 831, 947, 1375, 1584, 1904, 2027, 3530*, 4268, 4973, 5148, 21226*. Their asymmetric distribution makes determination of molecular weight easier. Two fragments (3530 bp and 21226 bp) containing the cos sites hybridise to each other resulting in additional band of 24756 bp at the top. 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°

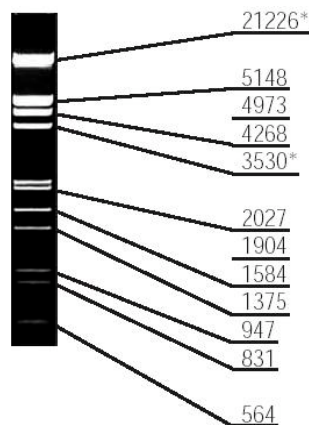
STORAGE BUFFER

100 μ g in 1 ml(100 rxns) 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 μ l in one lane.

To demonstrate the mobility of the DNA fragments, 1 μ g of marker was loaded into a 1% agarose gel.



FUNCTIONAL ANALYSIS

Tested functionally in a unit activity test.