

## DATA QUALITY SHEET



### 1 kb DNA Ladder

FOR RESEARCH USE ONLY

Cat. GC-015-003-050, GC-015-003-100

#### DESCRIPTION

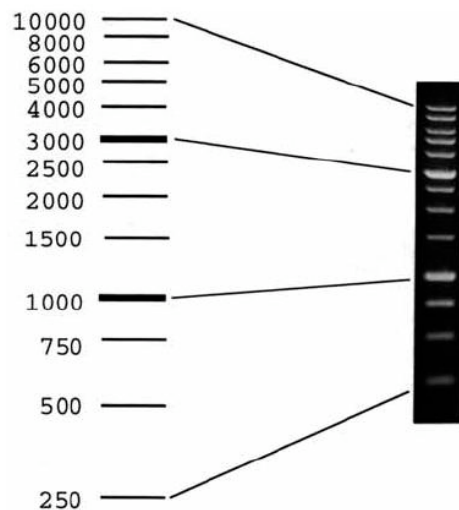
The 1 kb DNA ladder is suitable for sizing linear double-stranded DNA fragments from 0.25 to 10 kb. The 13 bands of the ladder contain fragments with the following sizes: 250, 500, 750, 1000, 1500, 2000, 2500, 3000, 4000, 5000, 6000, 8000 and 10000 bp. For easy reference on agarose gels, the 1000 and 3000 bp bands are three times brighter than the other bands in the ladder.

The recommended amount of size marker to load on an agarose gel is 0.5-1 µg per lane (5-10 µl).

To demonstrate the mobility of the DNA fragments, 1 µg of marker was loaded onto a 1% agarose gel.

**CONCENTRATION** 1 µg/10 µl

**PACK SIZE** 100 µg in 1 ml (200 rxns) in loading buffer (0.25% bromphenol blue, 0.25% xylene cyanol FF, 40% sucrose in water).



**SHELF LIFE** 2 years from date of receipt under proper storage conditions.

**FUNCTIONAL ANALYSIS** Tested functionally in a unit activity test.