

CERTIFICATE OF ANALYSIS

**GeneRuler™ Express
DNA Ladder**

#SM1552 250 (5x50)µg (for 500 applications)

Lot:

Concentration: 0.5µg/µl
Supplied with: 2x1 ml 6X Loading Dye Solution

Store at -20°C.

In total 7 vials.

Description

GeneRuler™ Express DNA Ladder is designed for the fast sizing and quantification of DNA fragments under a wide range of electrophoresis conditions in agarose gels. The band pattern is not affected by the composition of electrophoresis buffer, voltage and gel percentage. The Ladder bands are easily separated in 5-10min at high voltage. The Ladder is a mixture of nine chromatography-purified individual DNA fragments (in base pairs): 5000, 3000, 2000, 1500, 1000, 750, 500, 300, 100. It contains two reference bands (1500 and 500 bp) for easy orientation. The DNA Ladder is dissolved in TE buffer.

Storage Buffer (TE buffer)

10mM Tris-HCl (pH 7.6), 1 mM EDTA.

6X Loading Dye Solution

10mM Tris-HCl (pH 7.6), 0.03% bromophenol blue, 0.03% xylene cyanol FF, 60% glycerol and 60mM EDTA.

QUALITY CONTROL ASSAY DATA

Well-defined bands are formed in 5-10min during agarose gel electrophoresis. The absence of nucleases is confirmed by a direct nuclease activity assay.

Quality authorized by:



Jurgita Zilinskiene

