

Denaturing Gel-Loading Buffer

Cat. #	Product	Size
DS611	Denaturing Gel-Loading Buffer	1 ml × 5
DS612	Denaturing Gel-Loading Buffer	1 ml × 2

Storage Conditions: This product should be stored under -20°C.

Description:

This product is the component of Long ssDNA Preparation Kit (Code #DS615, DS625 and DS635).

Denaturing Gel-Loading Buffer is a gel-loading buffer to obtain a long ssDNA using agarose gel electrophoresis. The Denaturing Gel-Loading Buffer enables denaturing of the nicked plasmid harboring the DNA of interest. A mixture of the nicked plasmid and Denaturing Gel-Loading Buffer is subjected to agarose gel electrophoresis. During electrophoresis, DNAs derived from the nicked plasmid keep single-strand status.

Product Usage:

1. Add three volumes of the Denaturing Gel-Loading Buffer to the nicked and desalted plasmid.
2. Heat at 70°C for 5 min.
3. Chill on ice for 1 min. ^{*1}
4. Subject to agarose gel electrophoresis with 1×TAE.

^{*1} After heating and chilling, quickly load into wells of the gel and promptly start electrophoresis.

Related Products:

- DS615 Long ssDNA Preparation Kit for 1.5kb
- DS625 Long ssDNA Preparation Kit for 3.0kb
- DS635 Long ssDNA Preparation Kit for 10kb
- DS640 Long ssDNA Gel Extraction Kit for 3kb
- DS650 Long ssDNA Gel Extraction Kit for 10kb