

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: 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. ^{*2}

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

^{*2} ssDNA can be extracted from the gel using “Long ssDNA Gel Extraction Kit”. See below “Related Products”.

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

The spin-column kit for extraction ssDNA from agarose gel. For 500 – 3,000 bases ssDNA.

DS650 Long ssDNA Gel Extraction Kit for 10kb

The spin-column kit for extraction ssDNA from agarose gel. For 3,000 – 10,000 bases ssDNA.