Denaturing Gel-Loading Buffer

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Product</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS611</td>
<td>Denaturing Gel-Loading Buffer</td>
<td>1 ml × 5</td>
</tr>
<tr>
<td>DS612</td>
<td>Denaturing Gel-Loading Buffer</td>
<td>1 ml × 2</td>
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</tbody>
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**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