Fixing and Drying PAGE Gels

1. Fixation

<table>
<thead>
<tr>
<th>Gel</th>
<th>MeOH</th>
<th>EtOH</th>
<th>AcCOOH</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDS-PAGE</td>
<td>40%</td>
<td>10%</td>
<td></td>
<td>≥ 30 minutes</td>
</tr>
<tr>
<td>Urea PAGE</td>
<td>20%</td>
<td>5%</td>
<td></td>
<td>≥ 30 minutes</td>
</tr>
</tbody>
</table>

Fix until gel floats off glass plate. Gently push waves of fixative over gel to help remove urea.

2. Post-Fixation

<table>
<thead>
<tr>
<th>Gel</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDS-PAGE</td>
<td>Soak twice in ddH₂O for 15 minutes. Soak SDS-PAGE gel in 1-2% glycerol (prevents cracking).</td>
</tr>
<tr>
<td>Urea PAGE</td>
<td>Do not soak in water or glycerol.</td>
</tr>
</tbody>
</table>

3. Check trap and pump: If trap is full, gel will dry slowly or not at all. Clean if necessary.

4. Dry PAGE gel

**SDS-PAGE Gel**
- Place plastic wrap on bench.
- Place gel face down on plastic wrap.
- Place a piece of wet 3MM paper on gel.
- Place white porous sheet on top.
- Invert sandwich so that gel is face up.

**Urea PAGE Gel**
- Place 3MM paper over gel in fixative.
- Lift out glass plate, gel, paper, and drain.
- Place on metal screen and invert quickly.
- Place on absorbant pad. Cut away excess.
- Cover with plastic wrap. Fold up edges.

5. Set up dryer as follows. Follow instructions posted near dryer.