6. SyproRuby Staining Protocol*

- After electrophoresis, fix gel in 40% methanol /50% water/ 10% acetic acid for approximately 1/2 hr.
- Rinse the gel with water at least one time and shake it for another ½ hr.
- Dilute commercial available SyproRuby solution 1:1 with water.
- Expose the gel in this solution at least 18 h overnight and keep it dark.
- Discard the staining solution, rinse the gel with water and place the gel in 10% ethanol/ 90% water for at least 1 hr for background reduction and keep it dark.
- Gels can be stored in the wash solution or in water at 4°C.

* Note: use plastic trays as the dye binds to glass.

<table>
<thead>
<tr>
<th>Volume of fixing solution and staining solution (ml)</th>
<th>Mini gel per gel</th>
<th>18x16cm per gel</th>
<th>Dalton6 per gel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50</td>
<td>100</td>
<td>300</td>
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