Chemically Competent Cells

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MATERIALS

<table>
<thead>
<tr>
<th>NAME</th>
<th>CATALOG #</th>
<th>VENDOR</th>
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<tbody>
<tr>
<td>CaCl2</td>
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<td>LB medium</td>
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1 Culture desired strain O/N 0.5 mL/50 mL LB in a Greiner tube.

2 Grow to OD600 0.6 in 0.1/10 mL LB.

3 Centrifuge at 8000rpm for 5 minutes.

4 Resuspend in 5mL ice-cold CaCl2.
5 Distribute 1.5 mL over 3 Eppendorfs and spin for 30 seconds, 8000rpm.

6 Resuspend pellet in 0.5 mL ice-cold CaCl₂, flick the tube gently.

7 Aliquot into 50µL Cryo-tubes and store at -80°C until transformation.