LIQUID MEDIA

NZCYM Medium

Per liter:
- NZ amine\(^5\) 10 g
- NaCl 5 g
- yeast extract 5 g
- casamino acids 1 g
- MgSO\(_4\) \(\cdot 7\)H\(_2\)O 2 g

Adjust pH to 7.5 with sodium hydroxide.

NZYM Medium

Identical to NZCYM except that casamino acids are omitted.

LB (Luria-Bertani) Medium

Per liter:
- Bacto-tryptone 10 g
- Bacto-yeast extract 5 g
- NaCl 10 g

Adjust pH to 7.5 with sodium hydroxide.

M9 Medium

Per liter:
- Na\(_2\)HPO\(_4\) 6 g
- KH\(_2\)PO\(_4\) 3 g
- NaCl 0.5 g
- NH\(_4\)Cl 1 g

Adjust pH to 7.4, autoclave, cool, and then add:
- 1 M MgSO\(_4\) 2 ml
- 20% glucose 10 ml
- 1 M CaCl\(_2\) 0.1 ml

The above solutions should be sterilized separately by filtration (glucose) or autoclaving.

\(^5\)Type-A hydrolysate of casein from Humko Sheffield Chemical Division of Kraft, Inc., 1099 Wall St. West, Lafayette, NJ 07071.
M9CA Medium

Identical to M9 medium except that 2.0 g/l of casamino acids are included.

χ1776 Medium

Per liter:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacto-tryptone</td>
<td>25 g</td>
</tr>
<tr>
<td>Bacto-yeast extract</td>
<td>7.5 g</td>
</tr>
<tr>
<td>1 M Tris·Cl (pH 7.5)</td>
<td>20 ml</td>
</tr>
</tbody>
</table>

Autoclave, cool, and then add:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 M MgCl₂</td>
<td>5 ml</td>
</tr>
<tr>
<td>1% diaminopimelic acid</td>
<td>10 ml</td>
</tr>
<tr>
<td>0.4% thymidine</td>
<td>10 ml</td>
</tr>
<tr>
<td>20% glucose</td>
<td>25 ml</td>
</tr>
</tbody>
</table>

Magnesium chloride should be sterilized separately by autoclaving, and the other ingredients should be sterilized separately by filtration.

SOB Medium

Per liter:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacto-tryptone</td>
<td>20 g</td>
</tr>
<tr>
<td>Yeast extract</td>
<td>5 g</td>
</tr>
<tr>
<td>NaCl</td>
<td>0.5 g</td>
</tr>
</tbody>
</table>

Adjust pH to 7.5 with potassium hydroxide and sterilize by autoclaving. Just before use, add 20 ml of 1 M MgSO₄, sterilized separately by autoclaving.