

Protocol: Transformation Buffer
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Transformation Buffer for Competent Cells

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For 200 mL of buffer:

0.78 g KOAc
1.76 g CaCl₂
30.0 g sucrose

Mix the above ingredients in about 100ml of milliQ water

pH to 5.8 using DILUTE acetic acid

Once pH reaches 5.8 add the following:

1.78 g MnCl₂·4H₂O
2.60 g RbCl₂

Raise volume to 200 mL with milliQ water.

Filter through a 0.2µm Nalgene filter. Can be stored at -20°C – but **do not re-freeze** after thawing.

Final concentrations:

45mM MnCl₂
60mM CaCl₂
40mM KOAc
100mM RbCl
15% sucrose



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