

CaPO₄ Transfection

2X HeBS: 280 mM NaCl (1.64 g/100 mL)
50 mM Hepes (1.19 g/100 mL)
1.5 mM NaH₂PO₄ (.02 g/100 mL)

Notes: Make once a month.
Try pH 7.00, 7.05 and 7.10 and see which is the best

2 M CaCl₂
Make fresh every time and filter sterilize.

For a 6-well plate:
Add 300 uL HeBS to a tube.

Add DNA to a second tube.
Add water to DNA.
Add 36 uL CaCl₂.
(Total volume = 300 uL)

While vortexing HeBS, add DNA tube drop, by drop--it should take about 2 minutes per tube. The slower the better the precipitation.

Wait about 40 minutes.

Add to cells.

Change media 8 hours later.