

Preparation of Electroporation buffer

For electroporation experiments, we prepared an electroporation buffer as described in for buffer 1M in [1].

Recipe

Chemical	Final concentration
KCl	5 mM
MgCl ₂	15 mM
Na ₂ HPO ₄	120 mM
NaH ₂ PO ₄	120 mM
Manitol	50 mM

Weigh in chemicals and dissolve in an appropriate volume of ddH₂O.

Sterile filtrate buffer under a biosafety cabinet (using a laminar flow hood or clean bench is also possible).

Store at 4°C.

Citations

- [1] Chicaybam, L., Barcelos, C., Peixoto, B., Carneiro, M., Limia, C. G., Redondo, P., Lira, C., Paraguassú-Braga, F., Vasconcelos, Z. F., Barros, L., & Bonamino, M. H. (2017). An Efficient Electroporation Protocol for the Genetic Modification of Mammalian Cells. *Frontiers in bioengineering and biotechnology*, 4, 99.