

- 3,5 mM [K<sup>+</sup>] aCSF (recording aCSF): STOCK solution (10x)

Chemical	Quantity [g]
NaCl	72,466
KCl (for 35mM)	2,6093
MgCl <sub>2</sub> * 6H <sub>2</sub> O	2,03
NaH <sub>2</sub> PO <sub>4</sub>	1,45
NaHCO <sub>3</sub>	21,85

Preparation of aCSF:

- 100ml of stock solution
- add 3,6g of Glucose (for 20mM)
- make up to 800ml volume with Millipore water and bubble with carbogen for at least 10min
- add CaCl<sub>2</sub> stock solution (2ml for recording)
- make up to a final volume of 1l
- final pH is 7.4 and osmolarity is 305mOSM

- 3,5mM [K<sup>+</sup>] aCSF (recording aCSF)

Chemical	Quantity
NaCl	7,2466g
KCl (for 3,5mM)	3,5ml (1M stock solution)
MgCl <sub>2</sub> * 6H <sub>2</sub> O	1ml (1M stock solution)
NaH <sub>2</sub> PO <sub>4</sub>	0,145g
NaHCO <sub>3</sub>	2,185g
D-Glucose	3,6g
CaCl <sub>2</sub>	2ml (1M stock solution)