

## Cesium-Gluconate

- Enables recording EPSCs and IPSCs in same cell because you can V-clamp cells at very depolarized potentials (blocks K channels, thereby making cells less leaky)
- (aka 130 Cs-Gluconate)

Compound	Final Conc. (mM)	MW	Grams
CsOH	130	149.91	3.89 g (liquid weight)
Gluconic Acid	130	196.91	5.1 g (liquid weight)
Compound	Final Conc. (mM)	MW	g / 100 mL
Cs-Gluconate	130	-	Add Above Solution
CsCl	10	168.4	0.168
MgCl <sub>2</sub> ·6H <sub>2</sub> O	1	203	0.0203
CaCl <sub>2</sub> ·2H <sub>2</sub> O	1	147	0.0147
HEPES	10	238.3	0.238
EGTA	10	380.4	0.380

pH = 7.3 adjusted with CsOH