

## Xu lab protocol and instructions

### K-gluc internal solution

	mg (per 25ml)	mM	MW
K-gluconate	737.7	126	234.2
KCl	7.5	4	74.6
HEPES	59.6	10	238.3
pH to ~7.2 with (with KOH)			
MgATP	50.7	4	507.2
pH to ~7.2 with (with KOH)			
Na <sub>2</sub> GTP	3.9	0.3	523.2
pH to ~7.2 with (with KOH)			
PO-Creatine	63.8	10	255.1
pH to 7.25 (with KOH), 270-290 mosm			
Biocytin		8	

### **Na<sub>2</sub>GTP**

#### **G8877-25mg**

Sigma

#### **Guanosine 5'-triphosphate sodium salt hydrate**

≥95% (HPLC), powder

### **MgATP**

#### **A9187-1g**

Sigma

#### **Adenosine 5'-triphosphate magnesium salt**

≥95%, bacterial

## Xu lab protocol and instructions

### **PO-Creatine**

**P7936-1g**

Sigma

**Phosphocreatine disodium salt hydrate**

~98%