

## Lysis Buffers

### **TGEK Base**

50 mM Tris  
10% vol Glycerol  
1 mM EDTA  
100 mM KCl

(add for std lysis buffer):

PMSF  
Benzamidine  
Leupeptin  
Aprotinin  
0.5% NP40

(add for solubilization buffer)

1% NP40  
0.1% Triton X100  
0.1% SDS  
0.5% NaDeoxycholate

### **Buffer A** (fractionation buffer)

10 mM Tris  
1.5 mM MgCl<sub>2</sub>  
10 mM KCl

### **Buffer C** (nuclear lysis buffer)

25% glycerol  
1.5 mM MgCl<sub>2</sub>  
0.2 M EDTA  
0.42 M NaCl  
10 mM Tris

### **RIPA**

50mM Tris HCl  
150 mM NaCl  
1% NP40  
0.5% NaDeoxycholate  
0.1% SDS

### **Ubi Buffer 1**

(base)

50 mM Tris pH 7.4

1 mM EDTA

250 mM NaCl

0.1% NP40

1% Triton X100

0.5% SDS

0.25% DOC

(add)

100 mM NaF

5 mM NaVO<sub>3</sub>

Pepstatin

PMSF

Aprotinin

Benzamidine

Leupeptin

### **Ubi Buffer 2**

(base)

50 mM Tris pH 7.4

1 mM EDTA

0.1% NP40

250 mM NaCl

(add)

5 mM NaF

0.5 mM NaVO<sub>3</sub>

Pepstatin

PMSF

Aprotinin

Benzamidine

Leupeptin

### **NP40**

20 mM Tris pH 7.5

10 mM B-Glycerophosphate

2 mM EGTA

5 mM NaF

150 mM NaCl

1 mM NaPPi

1% NP40

(add)

2 mM DTT

1 mM Vanadate

.5% Aprotinin

100 uM PMSF

(or for IP, add)

Aprotinin

Pepstatin

Benzamidine

Leupeptin

PMSF

5mM Vanadate

5mM DTT