

**NeutrAvidin** (PIERCE)

Stock: 5mg/ml

Final: 0.25mg/ml

Recipe: Stock (50ul) + T50 (950ul)

**Streptavidin** (Molecular probe, S888)

Stock: 5mg/ml

Final: 0.20mg/ml

Recipe: Stock (40ul) + T50 (960ul)

**BSA-biotin** (Sigma, Pierce)

Stock: 10mg/ml

Final: 1mg/ml

Recipe: Stock (100ul) + T50 (900ul)

**Dextrose for bme** (Sigma)

Stock: 0.2g/ml (20%, wt/wt)

Use: 4ul/100ul (0.8%, wt/wt)

**Dextrose for Trolox** (Sigma)

Stock: 2g in 50ml (4%, wt/wt)

Use: 200ul 4% Dextrose

+ 800ul saturated trolox

**Gloxy**Glucose Oxydase Type VII (Sigma,  
powder) 10mg

Catalase (Sigma,Roche, solution) 20ul

+ T50 100ul

Spin down for 5min at 10,000rpm. Use  
supernatant only. Do not vortex.

Use: 1ul/100ul

 **$\beta$ ME** (Acros)

Use as conc. (1ul/100ul)

**Trolox** (sigma)

7.5mg in 10ml DiWater (~3mM, saturated)

Filter it using 100um or 200um syringe  
filter.**T50** (pH8.0)

10mM Tris-base (FW 121.14)

50mM NaCl (FW 58.44)

146.1mg NaCl + 60.57mg Tris-base in  
50ml DiWaterAdjust pH to 8.0 with HCl. (You will need  
~250ul 1M HCl)**Beads sample**Dilute 1/150. Mix with 1ul HCl or Acetic  
Acids. Inject into slide channel and seal it  
with epoxy or parafilm.